

The G3 Paperless Multimedia Congress System



HCS-8300 Series G3 Paperless Multimedia Congress System

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HCS-8335AC	Economical Multimedia Congress Terminal (chairman unit, microphone array, 10" 1280×800 LCD, speech, voting, 64 CHs×2, HD video display, built-in contactless IC-Card reader, printed nameplate, silver-gray panel + black base).....	2.97
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HCS-8335AD-NP	Economical Multimedia Congress Terminal (delegate unit, microphone array, 10" 1280×800 LCD, speech, voting, 64 CHs×2, HD video display, built-in contactless IC-Card reader, E-ink nameplate, silver-gray panel + black base).....	2.99
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HCS-8300 Series G3 Paperless Multimedia Congress System

System features

- Especially designed for high-level meetings, such as Summits, congresses, conventions, parliaments and city councils
- The first Paperless Multimedia Congress System in the world
- Based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Paperless Multimedia Congress Terminal - equipped with a 14" (1920X1080) HD TFT LCD touch panel, realizes paperless meetings, various HD video services, interactive conference control functions (speech, voting, 64 CHsX2) and conference services, etc.
- Stylish and ergonomic design with an ultra-thin 6.5 mm screen
- Capacitive touch panel supporting multi-touch, convenient and efficient for operation
- Built-in 8-megapixel camera with flashlight, ingenious video conversation function
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable. GMC-STREAM fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- Based on ingenious CongressMatrix™ technology, integrated n×8 audio matrix processor to realize 8 channels group output function
- Built-in E-ink nameplate (available on models with "-NP" as suffix)
- External contactless IC Card reader with fingerprint sensor can be connected (HCS-8368/50)
- Flush-mounted model comes with electric flip-up and angle adjustment (HCS-8368A/FM/50)
- Tabletop (HCS-8368/50)
- Array microphone (HCS-8368A/50)
- Increased reliability with "Closed Loop - Daisy Chain" connection topology
- 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Low power consumption design
- Supports Dante protocol to connect to peripheral digital devices with near-zero latency and synchronization, and without losing any sound quality
- Equipped with optical fiber interface to combine two widely separated conference rooms to form one unique coherent system
- Dual connection backup via optical fiber and Cat.5 cable between Congress Main Unit and Congress Extension Main Unit
- System power controllable by central control system
- Supports combining and separating conference rooms
- Booth combination & share system
- Connectable to multi channel audio input or output devices for versatile expansion of the system
- Connection facility for additional condenser or dynamic microphones, expanding user's application spectrum
- Integrated USB interfaces in the Congress Main Unit for system upgrading and saving system parameters. Convenient for system maintenance
- Downward compatible with TAIDEN HCS-4100/50 Fully Digital Congress System

Overview

The world's first paperless multimedia congress system, developed by TAIDEN as early as in 2010, has ushered in a new era for the conferencing industry and has been used at many high-profile international conferences and meeting venues, testifying in return to its excellence and superiority.

Not stopping there, TAIDEN later launched its third generation paperless multimedia congress system in 2016. The new system boasts of superb HD paperless experience, greater system reliability, budget-conscious integration of functions and convenient management with its ultra-thin design, larger capacitive touch screen and higher megapixel camera. Either tabletop or flush-mounted model provides its users with faster, more convenient and efficient operation experience.

01. The G3 Paperless Multimedia Congress System

Problems in modern high-level meetings:

- Many functional requirements but multiple systems - independent from each other (digital conference system, sign-in system, video display system, file system, data service, etc.) and systems cannot be integrated effectively
- Preparation/issuance of verbose meeting papers is time-consuming with both low efficiency and low feedback quota
- Waste of resources through large amounts of paper needed in the meeting
- Risk of leaks due to issuance of printed materials
- Manifold interactive multimedia information required (conference materials, computer files, videos, web browsing, voice communication, etc.)
- Perfect readability of information displayed on large screen must be available for every attendee - usually more than one screen is installed, but impossibility to focus on the meeting topics if viewing distance is too high and if view is obstructed
- Deficient communication between participants among each other and between participants and their attendants and assistants
- Operating the variety of desktop devices is very complicated

TAIDEN integrated abundant high-end conference system applications and design experience to develop the world's first multimedia conference which was based on the paperless multimedia conference (mMediaCongress™) operation platform with independent intellectual property rights. It realizes the "paperless meeting" – namely the total electronic mode of conference operation - and management. It reduces the paper consumption and improves the conferencing efficiency. It also realizes a variety of HD video services, video intercom, conference services, E-ink nameplate, interactive conference control and management (discussion, vote, SI), etc., and provides a perfect solution for modern high level meetings.

HCS-8368/50 series G3 Paperless Multimedia Congress Terminal

HCS-8368/50 series G3 Paperless Multimedia Congress Terminal based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable. From the 1000M bandwidth, a priority of 100M is used to transmit important data, such as audio, voting information and control information. The remaining 900M bandwidth is used for videos, files, Internet data and other multimedia data stream. By this splitting real-time performance and stability of the important audio, voting information, and control information data stream of the meeting is guaranteed. The Terminal is equipped with a 14" (1920X1080) HD TFT LCD, capacitive touch panel and an integrated 8 megapixel camera. HCS-8368/50 series Congress Terminal realize the functions of a two-way communication Multimedia Congress Terminal, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, internet access, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels) and broadcasting, short message, call service, etc.



Figure 1 HCS-8368/50 Series Paperless Multimedia Congress Terminal



Figure 2a Design sketch of HCS-8368/50 Series G3 Paperless Multimedia Congress System (flush-mounting, panorama)



Figure 2b Design sketch of HCS-8368/50 Series G3 Paperless Multimedia Congress System (flush-mounting, close-up)



Figure 3a Design sketch of HCS-8368/50 Series G3 Paperless Multimedia Congress System (tabletop, panorama)



Figure 3b Design sketch of HCS-8368/50 Series G3 Paperless Multimedia Congress System (tabletop, close-up)

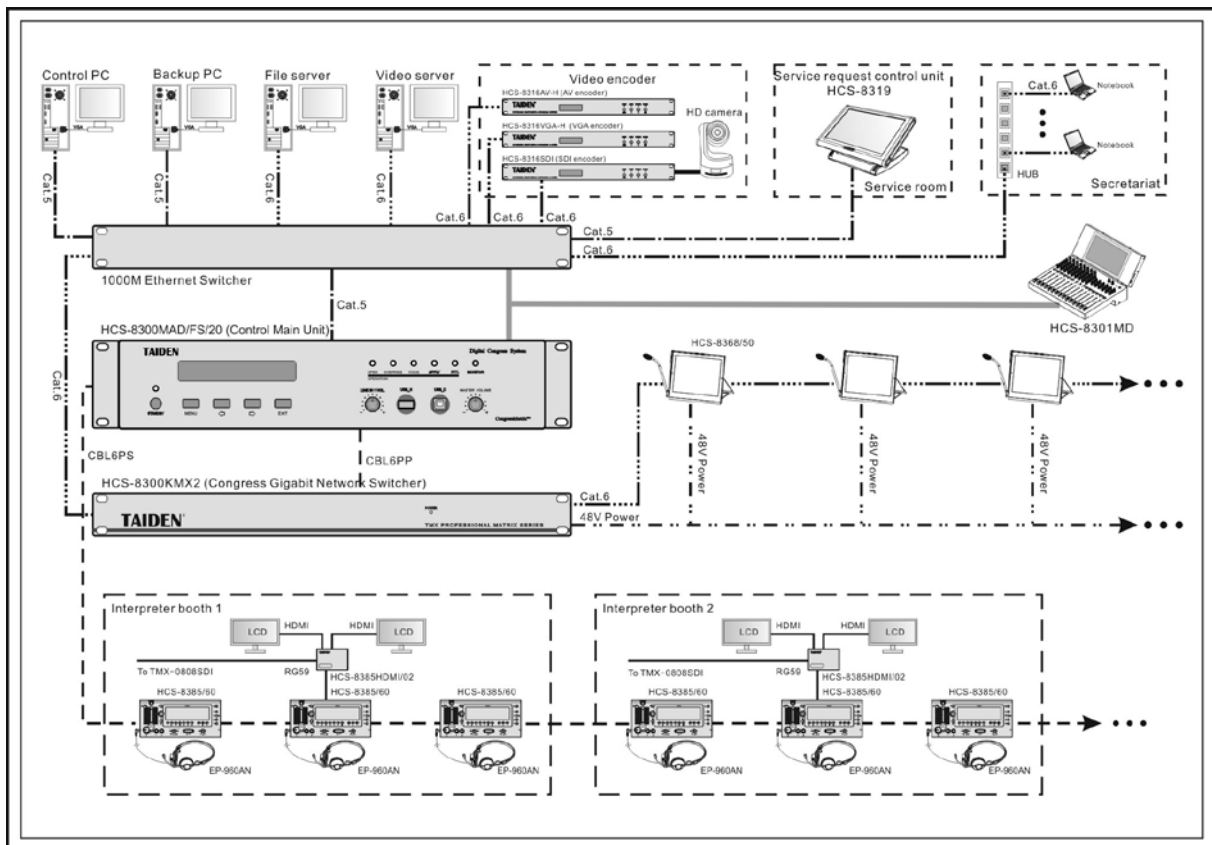


Figure 4a HCS-8368/50 Series G3 Paperless Multimedia Congress System connection diagram

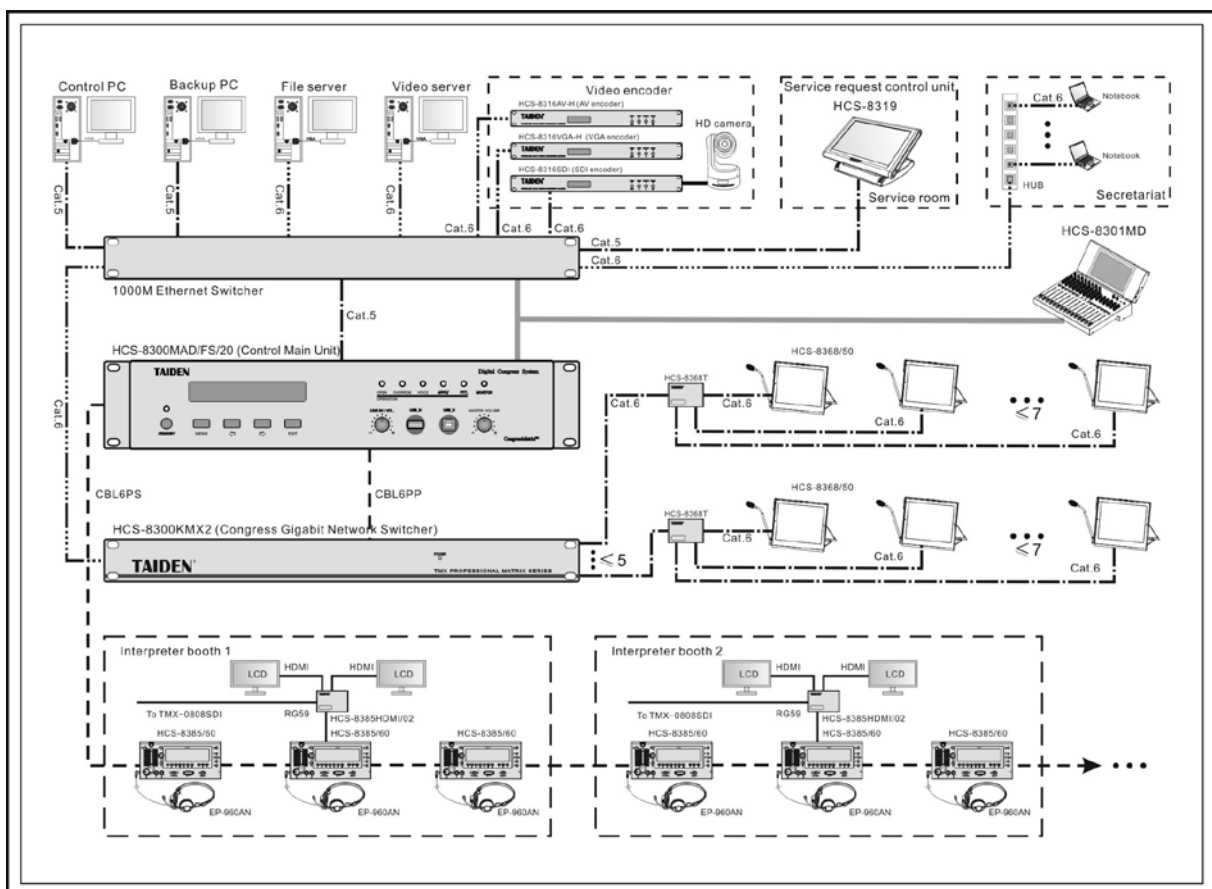
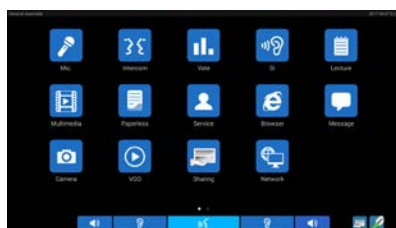
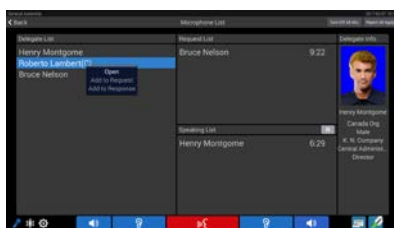


Figure 4b HCS-8368/50 Series G3 Paperless Multimedia Congress System connection diagram
(PoE, only for tabletop terminals)



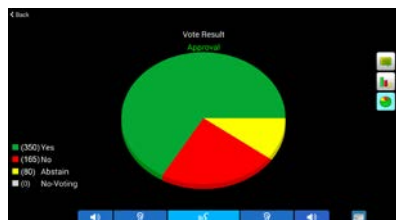
Primary interface



Microphone Management



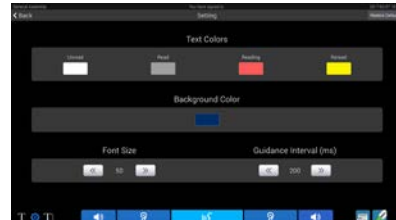
Short Message



Vote result display



Simultaneous interpretation



Speech text guidance - setting



Media



Documents reader



Call service



Internet access



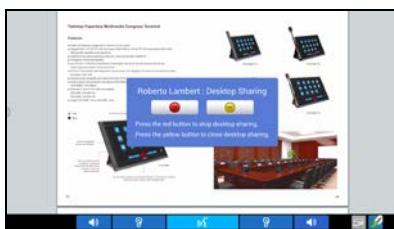
Video conversation



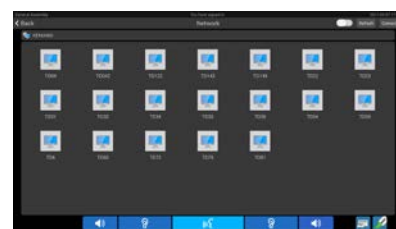
Take photo



Video display



Desktop sharing



Network

Figure 5 User Interfaces of G3 Paperless Multimedia Congress System

Features of HCS-8300 series Paperless Multimedia Congress System:
■ Full functionality and high integration

Various types of systems that may be involved in various types of meetings (discussion system, simultaneous interpretation system, voting system, sign-in system, video display system, files and data services system, etc.) are integrated into a single desktop device. Any kind of information display, interactive operations, audio/video and network access requirements are centralized on and controlled via a high-resolution LCD touch panel. Interactive conference control & management (speech, voting, simultaneous interpretation), paperless meetings, video conversation, various video services and conference services, etc. can be realized.

■ Safe and reliable

- ◆ Based on the TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof
- ◆ Based on embedded system, the power consumption per unit is less than 15 W; its power is 5% ~ 10% of an x86 system – in the spirit of environmental protection. Significantly protected against the impact of heat
- ◆ Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable. GMC-STREAM fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- ◆ Using daisy-chain connection topology, transmitting signals through single-cable technology. Reliable system components, easy cabling and installation. “Closed Loop - Daisy Chain” topology for enhanced system connection stability
- ◆ No need to install software, simply reset after a system halt
- ◆ System easy to manage, file and data will not be lost

■ Operation experience

- ◆ Combining the versatile facilities of high-level conference system applications and design experiences, TAIDEN now provides even more convenient, efficient and professional conference equipment to the participants
- ◆ Capacitive touch panel supporting multi-touch, convenient and efficient for operation
- ◆ Power supply via Congress Main Unit or power supply unit - convenient to switch on/off

02. CongressMatrix technology

In an ordinary conference system, the audio signals of the microphones converge into one audio (floor) channel which is transmitted to a PA system with only one channel. For this reason, all system loudspeakers get the same floor channel sound level. Differing voice levels of orators cannot be leveled out by simply adjusting the microphone volume. Due to feedback from a loudspeaker influencing delegates' nearby microphone, a positive feedback loop is formed and produces howl.

But due to the amassment and their close spacing arrangement, long stem microphones greatly affect the visual overall picture within the venue.

Therefore, in many high-level meeting rooms (e.g. Parliament Hall), media matrices and boundary condenser microphones are implemented to solve this problem.

In a media matrix, the audio signal from any microphone can be transmitted at any ratio to any loudspeaker, thus system transmission gain can be increased by an appropriate configuration. All microphones are star connected. But installation, debugging and operation are highly complex. Such a solution should usefully only be applicable if the microphones are within a fixed installation, controlled by professional technical staff. Furthermore, only discussion function is available. A media matrix solution does not feature conference sign-in, voting, simultaneous interpretation, video tracking and intercom function.

To solve above-mentioned shortcomings, TAIDEN successfully developed the proprietary CongressMatrix™ technology (utility patent: 200620054419.6). HCS-8300 Series Paperless Multimedia Congress System is the first Paperless Multimedia Congress System in the world to integrate an nx8 audio matrix processor (n is the number of microphones connected in the system) in the Congress Main Unit.

- 8 discrete audio outputs, including:
 - ◆ Line Output 1 / AESOut 1: 15 band graphical EQ + 8 band parameterized EQ + DRC (dynamic range compressor)
 - ◆ Line Output 2 / AESOut 2: 5 band graphical EQ + DRC (dynamic range compressor)
 - ◆ Group output 1~6: 5 band graphical EQ + DRC (dynamic range compressor) + time delay (maximum delay time for 32 kHz sampling rate is 1.5 s, maximum delay time for 48 kHz sampling rate is 1 s)
- Connectable to a multi channel independent PA system (up to 8 channels). Each channel is supplied with its proper audio signal. The audio signal of each microphone can be routed to any speaker at any ratio, thus "N-1" function can be realized easily: (when the microphone in one area is turned on, its audio signal is only routed to all areas except to its own) avoiding acoustic feedback (howl) when audio transmission gain is increased
- 8 channels group output function
- Recording by group function
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Displays audio signal spectrum to determine howling frequency which can be suppressed by adjusting EQ parameters
- 2 audio line in (analog, digital, Dante) or 1 audio line in (analog, Dante) + 1 microphone input, gain and EQ for each input adjustable separately. +24 V phantom power supply at microphone input, condenser microphone can be connected directly
- Connectable to multi channel audio input or output devices for versatile expansion of the system

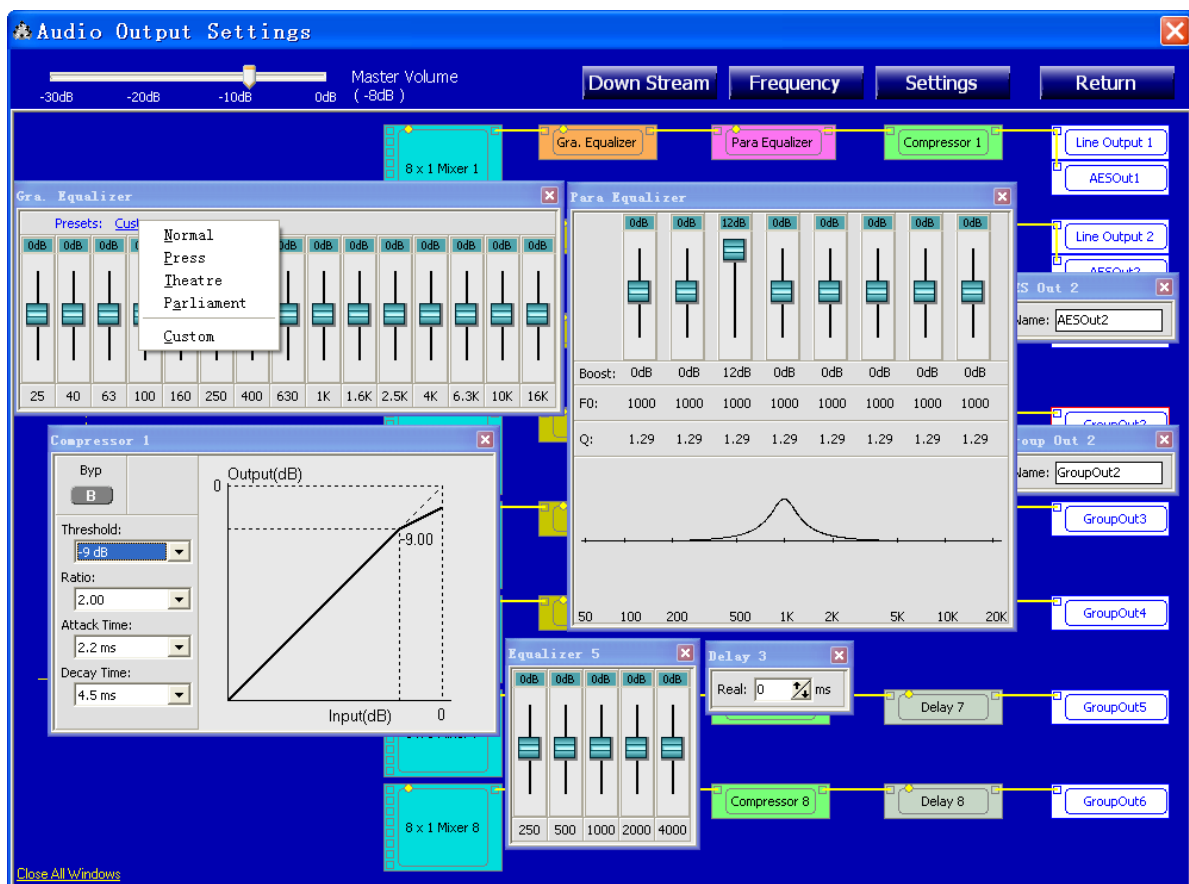
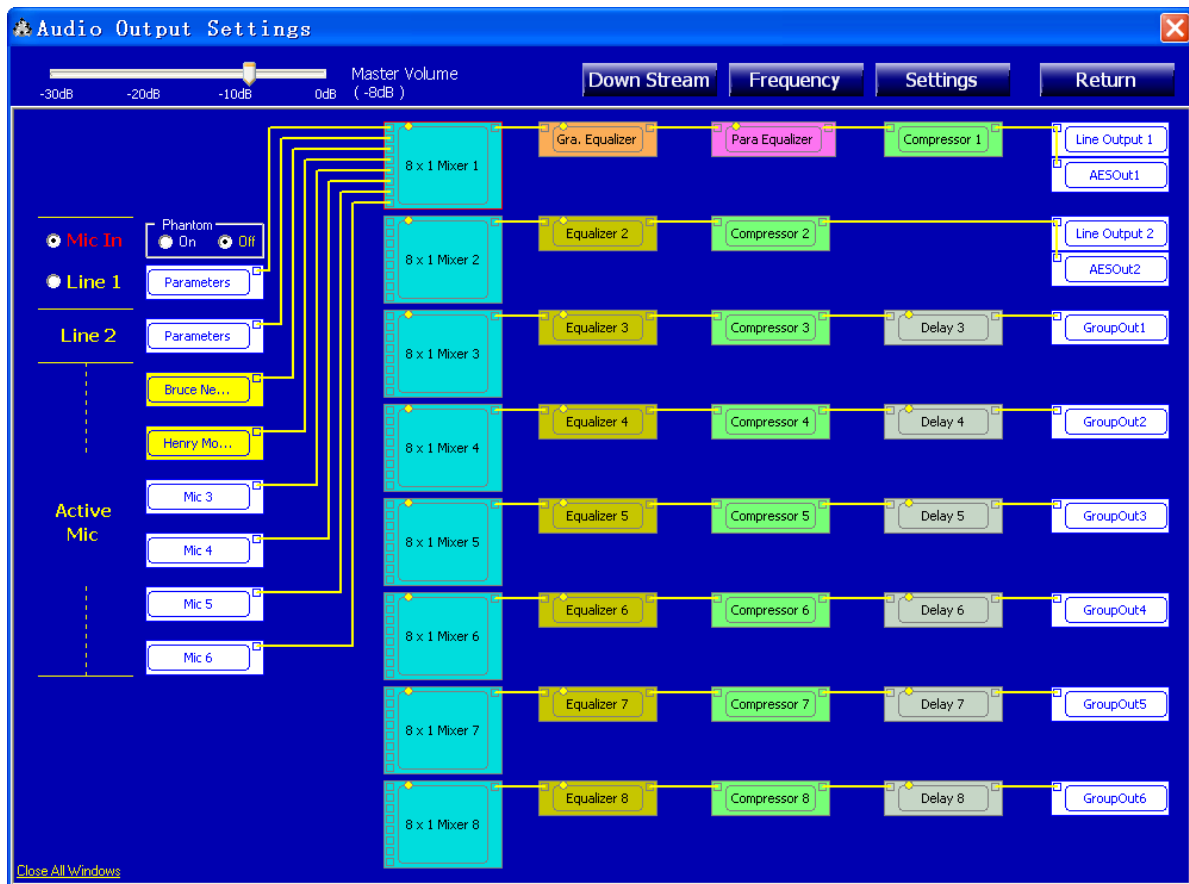


Figure 6 CongressMatrix Software Interface

HCS-8300 Series Paperless Multimedia Congress System can be connected to a multi channel audio amplifier and several groups of loudspeakers. There will be no acoustic feedback (howl) when audio transmission gain is increased. As shown in figure 7: the venue is divided into several areas according to the actual seating arrangement (maximum 8 areas), each area corresponds to a group of loudspeakers. The microphones in area n are arranged in group n and correspond to group n audio output.

The loudspeakers in area n correspond to group n audio output (as shown in figure 8). As an example: the microphones in area 1 are close to the loudspeakers belonging to group 1. This condition generates feedback easily. To avoid howling, audio gain of group 1 microphones for group 1 loudspeakers should be decreased. Audio gain of group 1 microphones for group 2 to 8 loudspeakers can be kept higher than for group 1 loudspeakers.

A better performance is achieved in above example when group 1 of loudspeakers is switched off.

Generally spoken: when the microphone in one area is turned on, its audio signal is routed only to the group of loudspeakers of the other areas but not to the group of loudspeakers of its own area. This "N-1" function avoids howling caused by audio feedback.

For HCS-8300 Series Paperless Multimedia Congress System, integrating CongressMatrix technology, the audio signal of each microphone can be routed to any loudspeaker at any ratio to increase audio transmission gain. The orator speaks at a greater distance from the microphone using a shorter microphone or even a microphone without a stem (for example HCS-8315 series) - bringing the era of long gooseneck microphones to an end.

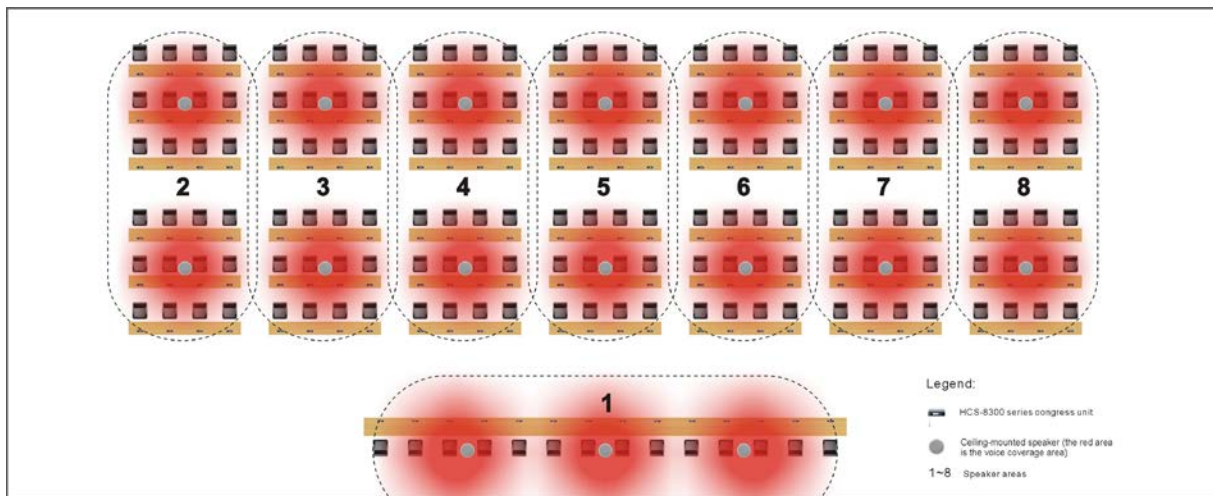


Figure 7 Area groups of the venue

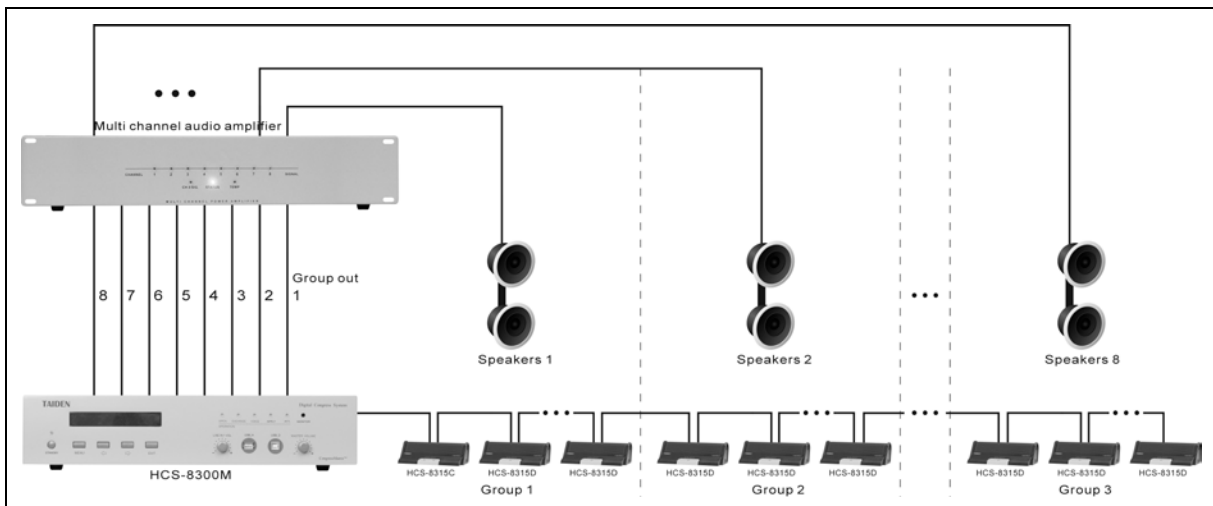


Figure 8 HCS-8300 Series Digital Congress System connected to a multi channel audio amplifier with "N-1" function to cancel howl

03. Microphone-array technology

By adopting microphone-array technology, the sound pick-up performance of the HCS-8368A/50 series Paperless Multimedia Congress Terminal is improved considerably. In interaction with the CongressMatrix technology, the acoustic transmission gain is increased: the orator is now in a position to speak at a greater distance from the microphone. By using microphone-array, the conference room looks tidy. There is no discomfort for the orator as his view is no longer blocked by a microphone stem. The orator has a large operating range with a clear and stable pick-up performance (a suitable architectural room acoustics is needed when using microphone-array).



Figure 9 Polar pattern of HCS-8368A/50 Paperless Multimedia Congress Terminal



Figure 10 By using microphone-array terminals, the conference room looks tidy

04. Duplicate and backup connection via “Closed Loop - Daisy Chain” connection topology

For important meetings, especially those which consider connection reliability as their leading point, HCS-8300 Series Paperless Multimedia Congress System adopts advanced “Closed Loop - Daisy Chain” connection topology, connecting the last unit in the loop back to the Congress Main Unit. Therefore, any Congress Unit in the loop has two connection paths to the Congress Main Unit. As a result, breakdown or replacement of a Congress Unit and

connection failure of a cable will not influence other Congress Units. As such the system features the advantages of a daisy chain connection system with its simplicity of cabling as well as the improvement of the system reliability by means of duplicate and backup connection functions.

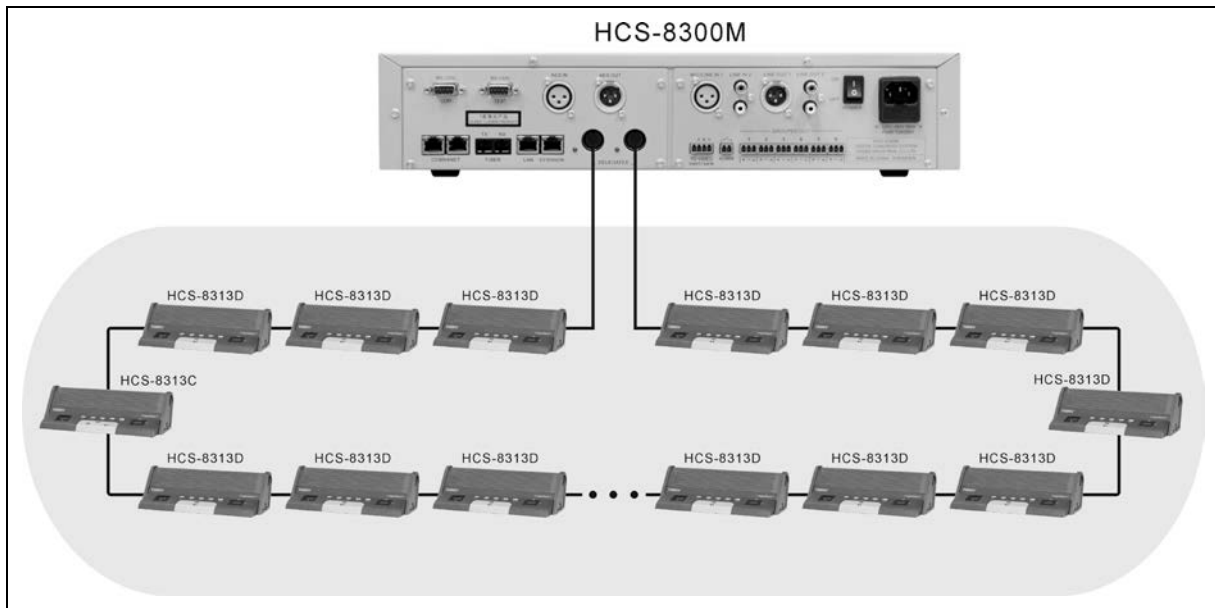


Figure 11 “Closed Loop - Daisy Chain” connection topology

05. Perfect sound quality on all 64 simultaneous interpretation channels

All channels (1 floor channel and 63 interpretation channels) support 48 kHz and 32 kHz audio sampling rate featuring perfect CD sound quality with a frequency of 30 Hz to 20 kHz at 48 kHz sampling rate.

06. Low power consumption design

Low power consumption design is adopted in HCS-8300 and HCS-4100/50 series Congress Units, convenient for wiring and installation. All Congress Units of HCS-8300 and HCS-4100/50 series (except paperless multimedia terminal) are supplied by the Congress Main Unit's 6P-DIN interface. Since the power capacity of the 6P-DIN interface is limited, it must be ensured during installation that the added up values of a) the total power consumption of all Congress Units connected in each path and b) the power loss in connection cables do in no case exceed the maximum possible value delivered by each 6P-DIN interface. Otherwise the system will not work properly or automatic protection will be triggered.

07. Supports Dante protocol

Supports Dante protocol, an uncompressed, multi-channel digital media networking technology. “Line out 1” audio signal is available for transmission from HCS-8300MAD/FS/20 to other Dante compatible devices (such as PA, audio recorder, etc.). The audio signals of two venues are available for networking purposes via Dante with near-zero latency and synchronization, and without losing any sound quality.

08. AES/EBU digital input/output interface

HCS-8300MAD/FS/20 has one set of AES IN and AES OUT interface, and can connect to AES/EBU compatible digital audio devices via XLR 3-cord shielded cable.

09. Combine/separate conference rooms easily

HCS-8300 series Paperless Multimedia Congress System supports combining/separating function for multiple meeting rooms.

- A. Using Cat.5 cable, several meeting rooms can be combined/separated at will through HCS-8300MX Congress Room Combiner**
Advantage: one HCS-8300MX can combine up to 8 meeting rooms controlled by a Central Control System. (Several HCS-8300MX are cascadable to combine additional meeting rooms)

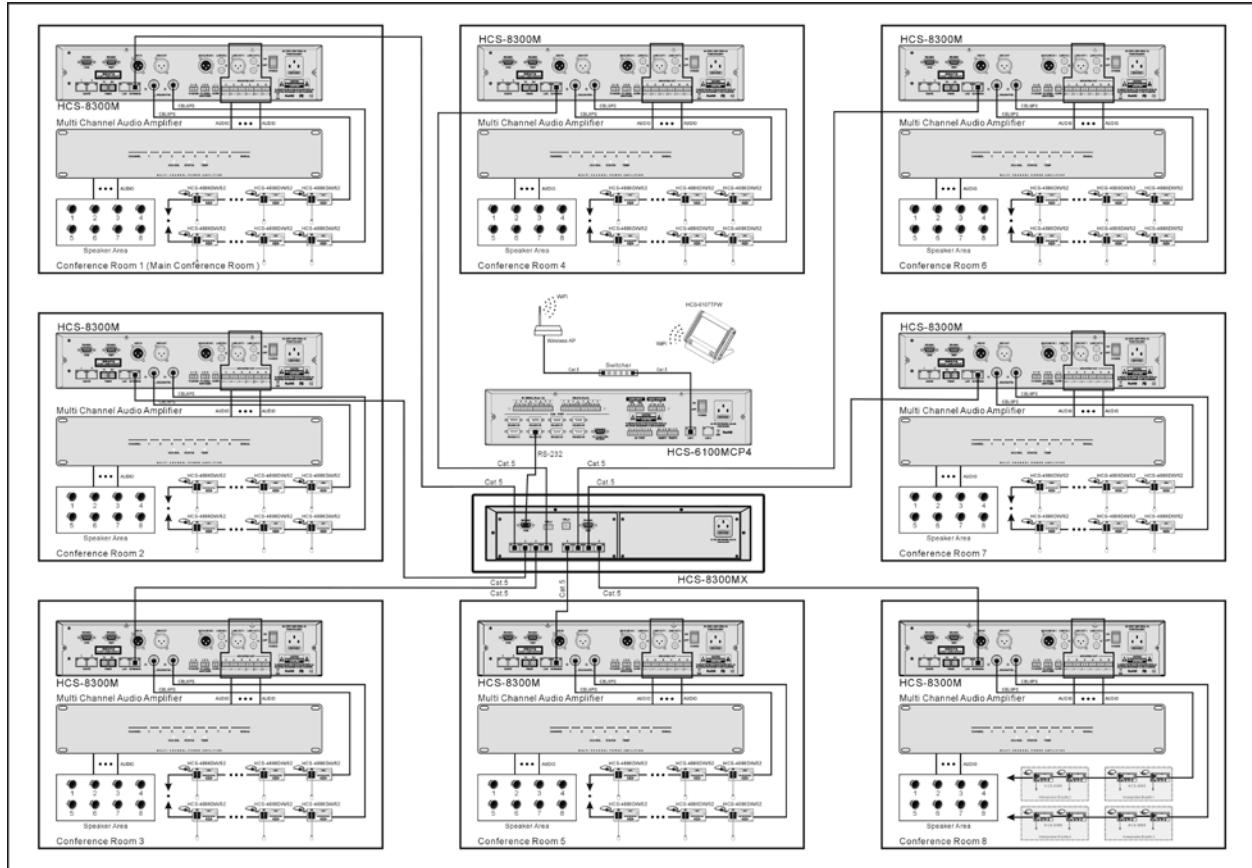


Figure 12a Rooms can be combined/separated through HCS-8300MX Congress Room Combiner

- B. The Congress Main Units of two widely separated meeting rooms can be connected via optical fiber interface and combined as one**
Advantage: long distance, can reach several tens of kilometers.

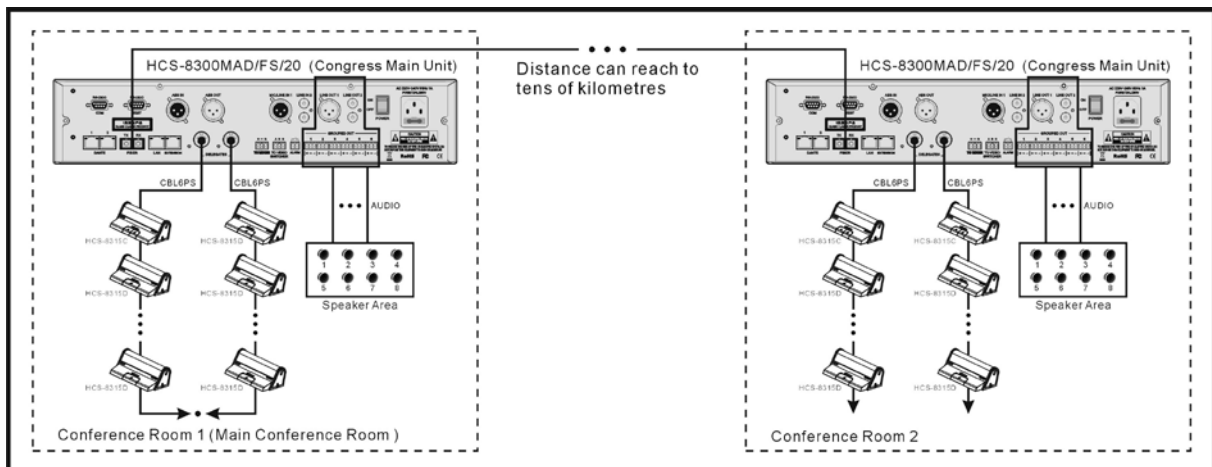


Figure 12b Rooms can be connected via optical fiber interface

C. Several meeting rooms using capacitor microphones can be combined or separated through HCS-8300M Congress Main Unit, HCS-8300MI Audio Input Interface and HCS-8300MO Audio Output Device.

Advantage: several meeting rooms can share one Congress Main Unit to reduce costs.

Disadvantage: the microphones are star connected, the system is complex and difficult to manage, and only discussion feature can be realized - no conference sign-in, voting, simultaneous interpretation, video tracking, intercom, etc.

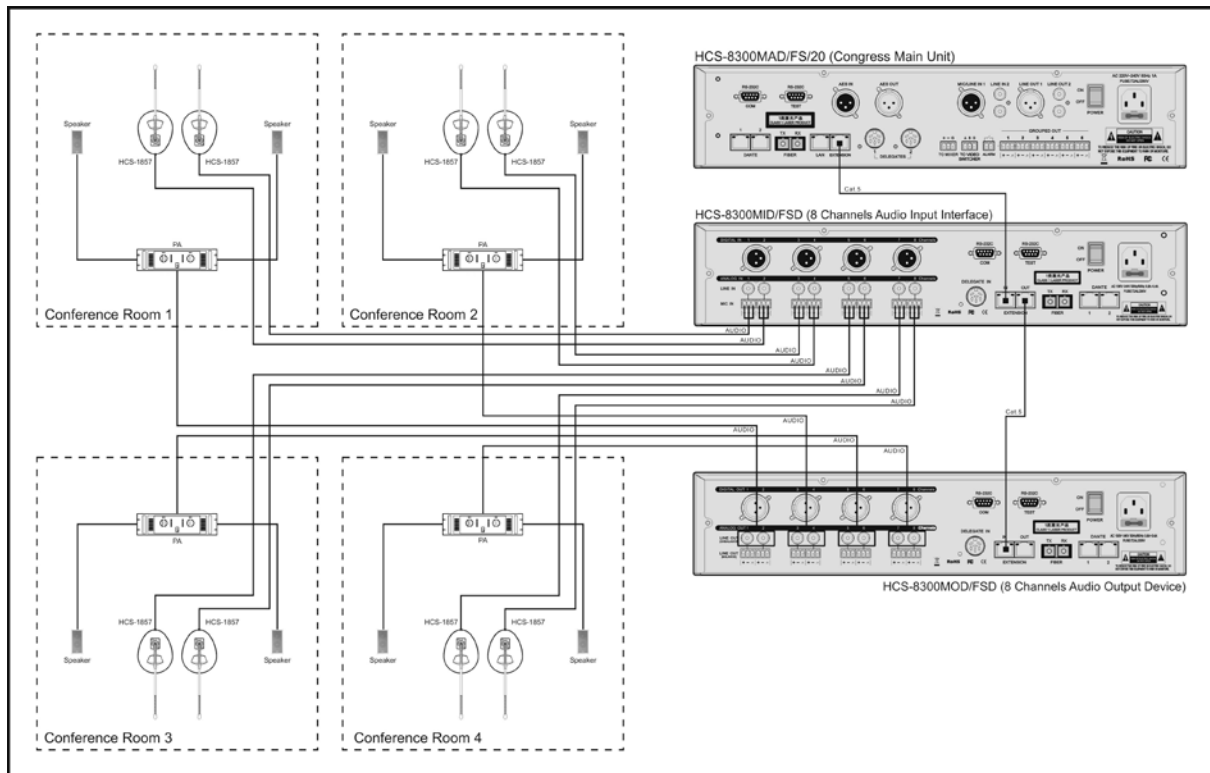


Figure 12c Rooms can be combined/separated through HCS-8300MI and HCS-8300MO

10. Booth Combination & Share System

Cooperating with HCS-8300MX/FS and HCS-8302MX/FS, at most 24 rooms can be merged and their booths can be shared.

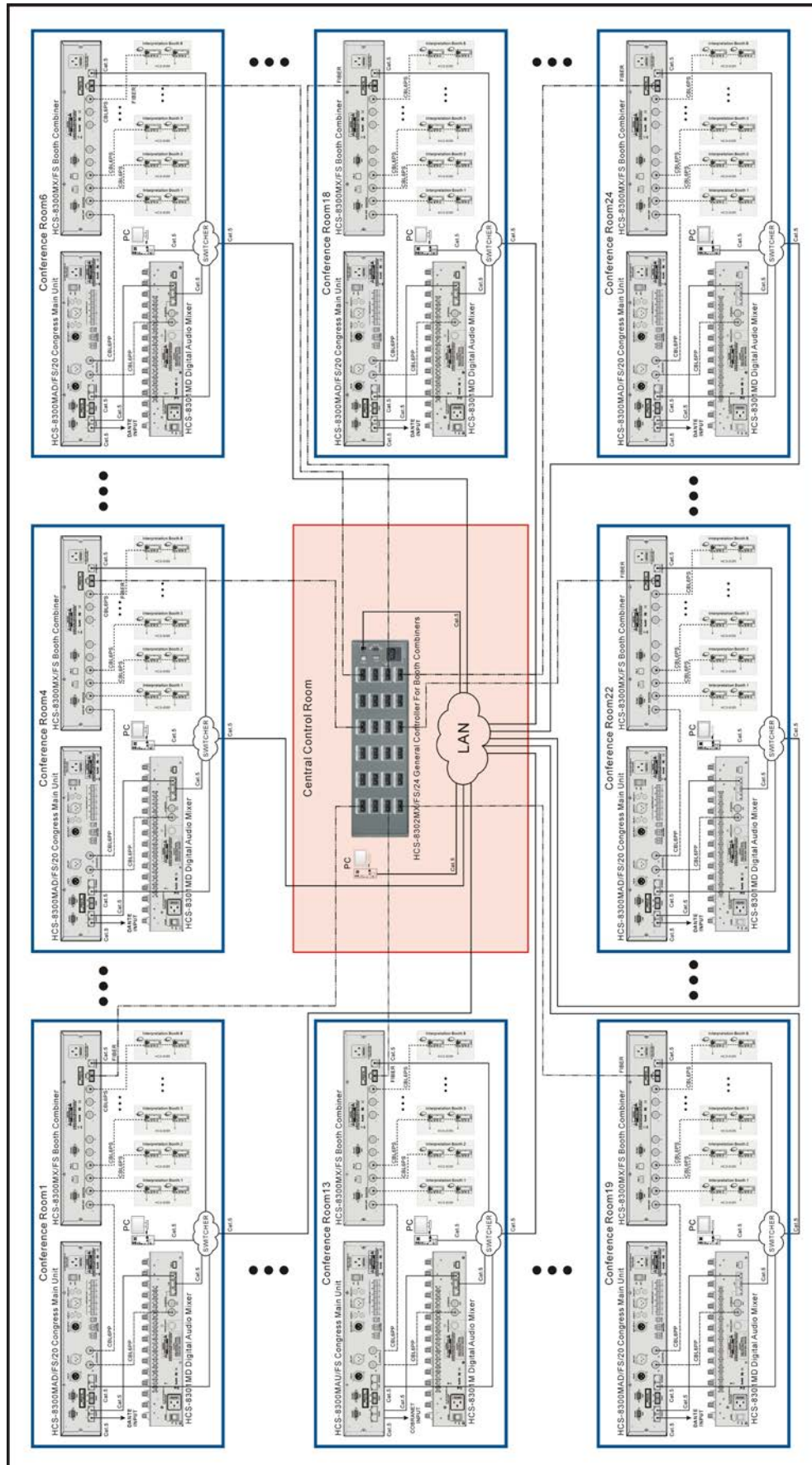


Figure 13 Booth Combination & Share System

11. Full system backup

In HCS-8300 series, dual connection backup is implemented between the Congress Main Unit and the Congress Extension Main Unit via optical fiber and Cat.5 cable. Combining a) dual Congress Main Unit hot spare function, b) dual PC server hot spare function and c) “Closed Loop - Daisy Chain” connection topology between Congress Units, full system backup is realized to improve system reliability.

12. System power management by central control system

The power management protocol of HCS-8300 series Congress Main Unit is open, enabling remote switch on/off of power supply via RS232 by a Central Control System.

13. Connection facility for additional condenser or dynamic microphones

In combination with HCS-8300MI series audio input interface, additional condenser microphones or dynamic microphones can be connected to the system (phantom power supply provided), expanding user's application spectrum.

14. Remote interpretation

In conjunction with a HCS-8300MI/MO and a telephone coupler, cost-saving remote interpretation function can be realized.

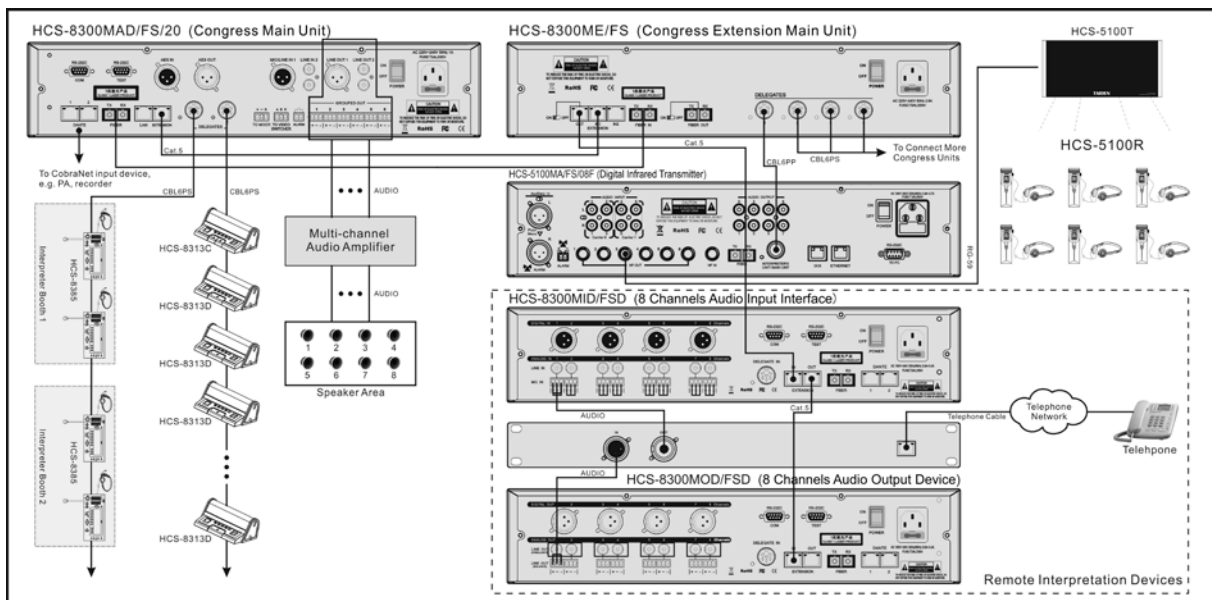


Figure 14 Remote interpretation

15. USB interfaces integrated in the Congress Main Unit

USB interfaces are integrated in the Congress Main Unit for upgrading the system and saving system parameters. Convenient for system maintenance.

16. Fully compatible with TAIDEN HCS-4100/50 Fully Digital Congress System

HCS-8300 Series Paperless Multimedia Congress System is completely downward compatible to the TAIDEN HCS-4100/50 Fully Digital Congress System and features all its functions, e.g. conference sign-in, voting, simultaneous interpretation, video tracking, intercom, etc. Congress Units of the HCS-4100/50 series Congress System can be looped into a HCS-8300 Congress System. But some exclusive functions are only available on HCS-8300 contribution units. Likewise, Congress Units of the HCS-8300 Series Congress System can also be inserted into a HCS-4100/50 Fully Digital Congress System.

HCS-8368NBD/50 **The G3 Paperless** **Multimedia Congress Terminal**



Features

- Stylish and ergonomic design with an ultra-thin 6.5 mm screen
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 14" LCD touch panel (1920×1080), 16:9 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 8-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs×2 interpretation with independent volume control. Two delegates may share one terminal thus cutting the facility cost by half
- Transmitting up to 64 CHs high quality digital audio signals
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- DC or PoE power supply
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel and an integrated 8 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1920×1080 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- Equipped with a 14" LCD (1920×1080), capacitive touch panel and an integrated 8 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for authorized unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.
- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user

- ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
- ◆ Image file reader
- ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
- ◆ Delegate information and conference agenda display
- ◆ Take photo
- ◆ Delegate photo for attendance check and record facility on important conferences
- ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1920×1080 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Optional printed nameplate (HCS-8368NBD/50)
- E-ink Nameplate can be connected (HCS-8368NBD-NP/50)
- External contactless IC Card reader with fingerprint sensor can be connected
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off icon with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off icon control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off icon, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off icon to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 14" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select icons
- Headphones volume up and down icons
- Microphone On/Off icon

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- SD card slot for extended storage and system upgrade
- DC power supply:
 - ◆ Two Gigabit network ports for "daisy chain" connection
 - ◆ One DC slot for connecting to 2-meter power branch cable (CBL4PT-02A)
- PoE: the Gigabit network port nearby the microphone supports PoE

Technical Specifications

Electrical

Max. consumption.....14 W

LCD

Type.....True color TFT LCD

Dimension.....14 inches, 16:9

Resolution.....1920×1080

Display color.....2¹⁸(18 bit)

Contrast.....700:1

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....>16 Ohm

Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser

Polar pattern.....Uni-directional

Operating voltage.....5 VDC

Sensitivity.....-46 dBV/Pa

Frequency response.....50 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/180°.....> 20 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h × w × d) (w/o microphone)

.....210 × 349 × 122 mm

Weight (incl. microphone).....1.8 kg

Color.....Gray (PANTONE 426 C)

/ Black (PANTONE 419 C)

Ordering Information

HCS-8368NBD_B/50.....The G3 Paperless Multimedia Congress Terminal (delegate unit, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs×2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, internet access, printed nameplate, support PoE, black)

HCS-8368NBD-NP_B/50.....The G3 Paperless Multimedia Congress Terminal (delegate unit, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs×2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, internet access, E-ink Nameplate can be connected, support PoE, black)

HCS-8368BD/50

The G3 Paperless Multimedia Congress Terminal



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Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- Equipped with a 14" LCD (1920×1080), capacitive touch panel and an integrated 8 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for authorized unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.
- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user

- ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
- ◆ Image file reader
- ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
- ◆ Delegate information and conference agenda display
- ◆ Take photo
- ◆ Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1920×1080 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Optional printed nameplate (HCS-8368BD/50)
- E-ink Nameplate can be connected (HCS-8368BD-NP/50)
- External contactless IC Card reader with fingerprint sensor can be connected
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off icon with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off icon control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off icon, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off icon to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 14" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select icons
- Headphones volume up and down icons
- Microphone On/Off icon

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- SD card slot for extended storage and system upgrade
- DC power supply:
 - ◆ Two Gigabit network ports for "daisy chain" connection
 - ◆ One DC slot for connecting to 2-meter power branch cable (CBL4PT-02A)
- PoE: the Gigabit network port nearby the microphone supports PoE

Technical Specifications

Electrical

Max. consumption.....14 W

LCD

Type.....True color TFT LCD

Dimension.....14 inches, 16:9

Resolution.....1920×1080

Display color.....2¹⁸(18 bit)

Contrast.....700:1

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....>16 Ohm

Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser

Polar pattern.....Uni-directional

Operating voltage.....5 VDC

Sensitivity.....-46 dBV/Pa

Frequency response.....50 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/180°.....> 20 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h × w × d) (w/o microphone)

.....210 × 349 × 122 mm

Weight (incl. microphone).....1.8 kg

Color.....Gray (PANTONE 426 C)

/ Black (PANTONE 419 C)

Ordering Information

HCS-8368BD_B/50.....The G3 Paperless Multimedia Congress Terminal (delegate unit, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs×2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, printed nameplate, support PoE, black)

HCS-8368BD-NP_B/50.....The G3 Paperless Multimedia Congress Terminal (delegate unit, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs×2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, E-ink Nameplate can be connected, support PoE, black)

HCS-8368NAD/50

The G3 Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design with an ultra-thin 6.5 mm screen
- Electronic document distribution for paperless meetings
- By adopting microphone-array technology, the sound pick-up performance is improved considerably
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 14" LCD touch panel (1920×1080), 16:9 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 8-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation (tabletop terminal) with independent volume control. Two delegates may share one terminal thus cutting the facility cost by half
- Transmitting up to 64 CHs high quality digital audio signals
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- DC or PoE power supply
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel and an integrated 8 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1920×1080 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- Equipped with a 14" LCD (1920×1080), capacitive touch panel and an integrated 8 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for authorized unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.
- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user

- ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
- ◆ Image file reader
- ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
- ◆ Delegate information and conference agenda display
- ◆ Take photo
- ◆ Delegate photo for attendance check and record facility on important conferences
- ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1920×1080 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Optional printed nameplate (HCS-8368NAD/50)
- E-ink Nameplate can be connected (HCS-8368NAD-NP/50)
- External contactless IC Card reader with fingerprint sensor can be connected
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off icon with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off icon control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off icon, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off icon to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 14" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select icons
- Headphones volume up and down icons
- Microphone On/Off icon

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- SD card slot for extended storage and system upgrade
- DC power supply:
 - ◆ Two Gigabit network ports for "daisy chain" connection
 - ◆ One DC slot for connecting to 2-meter power branch cable (CBL4PT-02A)
- PoE: the Gigabit network port nearby the microphone supports PoE

Technical Specifications

Electrical

Max. consumption.....14 W

LCD

Type.....True color TFT LCD

Dimension.....14 inches, 16:9

Resolution.....1920×1080

Display color.....2¹⁸(18 bit)

Contrast.....700:1

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....>16 Ohm

Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser

Polar pattern.....Uni-directional

Operating voltage.....5 VDC

Sensitivity.....-46 dBV/Pa

Frequency response.....50 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/180°.....> 20 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h × w × d) (w/o microphone).....210 × 349 × 122 mm

Weight (incl. microphone).....1.8 kg

Color.....Gray (PANTONE 426 C)
/ Black (PANTONE 419 C)

Ordering Information

HCS-8368NAD_B/50.....The G3 Paperless Multimedia Congress Terminal (delegate unit, microphone array, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs×2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, internet access, printed nameplate, support PoE, black)

HCS-8368NAD-NP_B/50.....The G3 Paperless Multimedia Congress Terminal (delegate unit, microphone array, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs×2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, internet access, E-ink Nameplate can be connected, support PoE, black)

HCS-8368AD/50

The G3 Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design with an ultra-thin 6.5 mm screen
- Electronic document distribution for paperless meetings
- By adopting microphone-array technology, the sound pick-up performance is improved considerably
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 14" LCD touch panel (1920×1080), 16:9 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 8-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation (tabletop terminal) with independent volume control. Two delegates may share one terminal thus cutting the facility cost by half
- Transmitting up to 64 CHs high quality digital audio signals
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- DC or PoE power supply

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel and an integrated 8 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1920×1080 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
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- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for authorized unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.
- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user

- ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
- ◆ Image file reader
- ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
- ◆ Delegate information and conference agenda display
- ◆ Take photo
- ◆ Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1920×1080 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Optional printed nameplate (HCS-8368AD/50)
- E-ink Nameplate can be connected (HCS-8368AD-NP/50)
- External contactless IC Card reader with fingerprint sensor can be connected
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off icon with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off icon control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off icon, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off icon to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 14" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select icons
- Headphones volume up and down icons
- Microphone On/Off icon

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- SD card slot for extended storage and system upgrade
- DC power supply:
 - ◆ Two Gigabit network ports for "daisy chain" connection
 - ◆ One DC slot for connecting to 2-meter power branch cable (CBL4PT-02A)
- PoE: the Gigabit network port nearby the microphone supports PoE

Technical Specifications

Electrical

Max. consumption.....14 W

LCD

Type.....True color TFT LCD

Dimension.....14 inches, 16:9

Resolution.....1920×1080

Display color.....2¹⁸(18 bit)

Contrast.....700:1

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....>16 Ohm

Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser

Polar pattern.....Uni-directional

Operating voltage.....5 VDC

Sensitivity.....-46 dBV/Pa

Frequency response.....50 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/180°.....> 20 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h × w × d) (w/o microphone).....210 × 349 × 122 mm

Weight (incl. microphone).....1.8 kg

Color.....Gray (PANTONE 426 C)
/ Black (PANTONE 419 C)

Ordering Information

HCS-8368AD_B/50.....The G3 Paperless Multimedia Congress Terminal (delegate unit, microphone array, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs×2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, printed nameplate, support PoE, black)

HCS-8368AD-NP_B/50.....The G3 Paperless Multimedia Congress Terminal (delegate unit, microphone array, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs×2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, E-ink Nameplate can be connected, support PoE, black)

HCS-8368NAD/FM/50

The G3 Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design with an ultra-thin 6.5 mm screen
- Electronic document distribution for paperless meetings
- By adopting microphone-array technology, the sound pick-up performance is improved considerably
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 14" LCD touch panel (1920×1080), 16:9 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 8-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs interpretation with volume control
- Transmitting up to 64 CHs high quality digital audio signals
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- DC power supply
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel and an integrated 8 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1920×1080 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- Equipped with a 14" LCD (1920×1080), capacitive touch panel and an integrated 8 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for authorized unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.
- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user

- ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
- ◆ Image file reader
- ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
- ◆ Delegate information and conference agenda display
- ◆ Take photo
- ◆ Delegate photo for attendance check and record facility on important conferences
- ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1920×1080 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Flush-mounted and electric lifting
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off icon with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off icon control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off icon, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off icon to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 14" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select icons
- Headphones volume up and down icons
- Microphone On/Off icon

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- SD card slot for extended storage and system upgrade
- Two Gigabit network ports for "daisy chain" connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02A)

Technical Specifications

Electrical

Max. consumption 17 W (electric lifting)
14 W (static)

LCD

Type.....True color TFT LCD
 Dimension.....14 inches, 16:9
 Resolution.....1920×1080
 Display color.....2¹⁸(18 bit)
 Contrast.....700:1

Headphone connection

Frequency response.....30 Hz to 20 kHz
 Earphone load impedance.....>16 Ohm
 Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser
 Polar pattern.....Uni-directional
 Operating voltage.....5 VDC
 Sensitivity.....-46 dBV/Pa
 Frequency response.....50 Hz to 20 kHz
 Input impedance.....2 kOhm
 Directivity 0°/180°.....> 20 dB (1 kHz)
 Equivalent noise.....20 dBA (SPL)
 Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Flush-mounting
 Dimensions (h × w × d) (w/o microphone).....232 × 349 × 109 mm
 Weight (incl. microphone).....2.3 kg
 Color.....Gray (PANTONE 426 C)
 / Black (PANTONE 419 C)

Ordering Information

HCS-8368NAD/FM_B/50...The G3 Paperless Multimedia Congress Terminal (flush-mounting delegate unit, microphone array, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs×2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, internet access, electric lifting, black)

HCS-8368AD/FM/50

The G3 Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design with an ultra-thin 6.5 mm screen
- Electronic document distribution for paperless meetings
- By adopting microphone-array technology, the sound pick-up performance is improved considerably
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 14" LCD touch panel (1920×1080), 16:9 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 8-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs interpretation with volume control
- Transmitting up to 64 CHs high quality digital audio signals
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- DC power supply

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel and an integrated 8 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1920×1080 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- Equipped with a 14" LCD (1920×1080), capacitive touch panel and an integrated 8 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for authorized unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.
- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user

- ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
- ◆ Image file reader
- ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
- ◆ Delegate information and conference agenda display
- ◆ Take photo
- ◆ Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1920×1080 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Flush-mounted and electric lifting
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off icon with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off icon control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off icon, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off icon to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 14" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select icons
- Headphones volume up and down icons
- Microphone On/Off icon

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- SD card slot for extended storage and system upgrade
- Two Gigabit network ports for "daisy chain" connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02A)

Technical Specifications

Electrical

Max. consumption

.....17 W (electric lifting)

.....14 W (static)

LCD

Type.....True color TFT LCD

Dimension.....14 inches, 16:9

Resolution.....1920×1080

Display color.....2¹⁸(18 bit)

Contrast.....700:1

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....>16 Ohm

Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser

Polar pattern.....Uni-directional

Operating voltage.....5 VDC

Sensitivity.....-46 dBV/Pa

Frequency response.....50 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/180°.....> 20 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Flush-mounting

Dimensions (h × w × d) (w/o microphone).....232 × 349 × 109 mm

Weight (incl. microphone).....2.3 kg

Color.....Gray (PANTONE 426 C)
/ Black (PANTONE 419 C)

Ordering Information

HCS-8368AD/FM_B/50... The G3 Paperless Multimedia Congress Terminal (flush-mounting delegate unit, microphone array, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs×2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, electric lifting, black)

HCS-8368SD/50

The G3 Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design with an ultra-thin 6.5 mm screen
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable
- Equipped with a 14" LCD touch panel (1920×1080)
- Capacitive touch panel supporting multi-touch, improves operation experience
- 8-megapixel camera with flashlight, supports voting with photo
- "Closed Loop - Daisy Chain" connection topology
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs×2 interpretation with independent volume control. Two delegates may share one terminal thus cutting the facility cost by half
- Transmitting up to 64 CHs high quality digital audio signals
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- DC or PoE power supply

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel and an integrated 8 megapixel camera. It realizes versatile functions, e.g. speech, vote, simultaneous interpretation, sign-in, delegate photo for attendance check and record facility on important conferences, video display, short message, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable
- Equipped with a 14" LCD (1920×1080), capacitive touch panel and an integrated 8 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Video display
- Short messages reader
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Optional printed nameplate
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time

- ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off icon with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off icon control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off icon, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off icon to talk
- ◆ Key press sign-in
- ◆ Voting function (Yes/No/Abstain)
- ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, voting control functions will be provided

Controls and Indicators

- Graphic 14" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select icons
- Headphones volume up and down icons
- Microphone On/Off icon

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- SD card slot for extended storage and system upgrade
- DC power supply:
 - ◆ Two Gigabit network ports for “daisy chain” connection
 - ◆ One DC slot for connecting to 2-meter power branch cable (CBL4PT-02A)
- PoE: the Gigabit network port nearby the microphone supports PoE

Technical Specifications

Electrical

Max. consumption	14 W
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LCD

Type True color TFT LCD

Dimension 14 inches, 16:9

Resolution 1920×1080

Display color 2^{18} (18 bit)

Contrast 700:1

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance _____ >16 Ohm

Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser

Polar pattern.....Uni-directional

Operating voltage _____ 5 VDC

Sensitivity _____ -46 dBV/Pa

Frequency response.....50 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/180° _____ > 20 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level_____125 dB (THD<3%)

Interface data

Connector.....2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h × w × d) (w/o microphone)

.....210 × 349 × 122 mm

Weight (incl. microphone).....1.8 kg

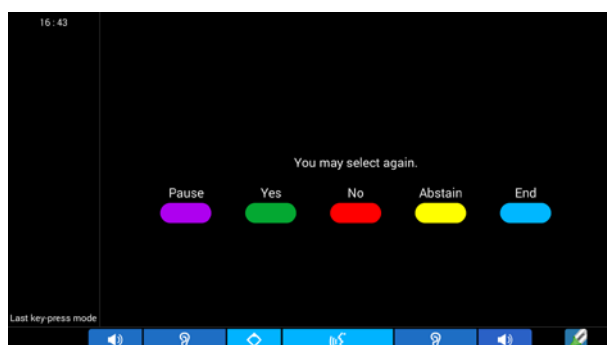
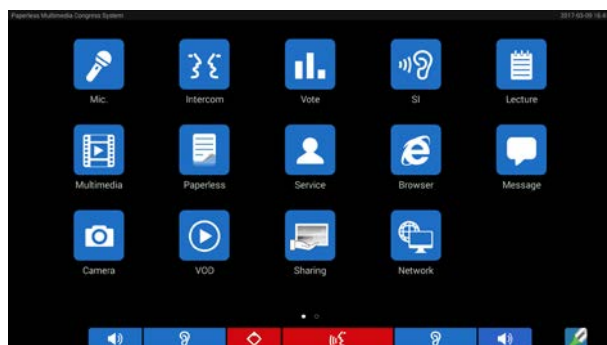
Color _____ Gray (PANTONE 426 C)

/ Black (PANTONE 419 C)

Ordering Information

HCS-8368SD_B/50_...The G3 Paperless Multimedia Congress
Terminal (delegate unit, 14" 1920×1080 LCD,
capacitive touch panel, camera with 8
megapixel, speech, voting, 64 CHs×2, video
display, printed nameplate, support PoE,
black)

HCS-8368CSW Chairman Control Function Software Module



Functions

Features all delegate functions, additionally:

- Activation at any time provided that the number of active microphones in the system is less than 6
- Priority button to switch off or mute the delegate microphones (except VIP units) according to the presetting
- Approval/denial of speaking request(s) without PC
- Launch of parliamentary voting (Yes/No/Abstain) session without PC

Ordering Information

HCS-8368CSW.....Chairman Control Function Software Module

HCS-8368COVER Protect Cover



Technical Specifications

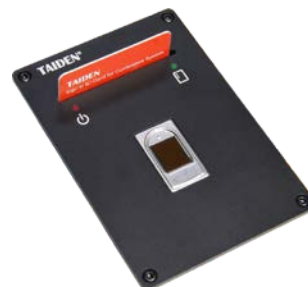
Mechanical

Dimensions (h x w x d).....4,5 x 374 x 266 mm
 Weight.....162 g
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-8368COVER.....Protect cover (for HCS-8368/FM/50)

HCS-8360FK/FM/50 Contactless IC Card & Fingerprint Identification Module



Features

- Connecting to HCS-8368/50 series congress terminal via USB port to realize contactless IC Card sign-in and fingerprint sign-in

Technical Specifications

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) 73 x 80 x 115 mm
 Weight.....0.17 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-8360FK/FM/50.....Contactless IC Card & Fingerprint Identification Module (flush-mounting, for HCS-8368/50 series congress terminal, black)

HCS-8338ACE Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Priority button
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot
- Built-in fingerprint identification module
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, internet access, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Similar in appearance to Delegate Unit, the Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ♦ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ♦ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ♦ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
 - ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Built-in fingerprint identification module
- Optional printed nameplate (HCS-8338ACE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338ACE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s) without PC
 - ◆ Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator
- Priority button

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for "daisy chain" connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption.....10 W

LCD

Type.....True color TFT LCD
 Dimension.....10 inches, 16:10
 Resolution.....1280×800
 Display color.....2¹⁸ (18 bit)
 Contrast.....500:1

Headphone connection

Frequency response.....30 Hz to 20 kHz
 Earphone load impedance.....>16 Ohm
 Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser
 Polar pattern.....Uni-directional
 Operating voltage.....5 VDC
 Sensitivity.....-46 dBV/Pa
 Frequency response.....50 Hz to 20 kHz
 Input impedance.....2 kOhm
 Directivity 0°/180°.....> 20 dB (1 kHz)
 Equivalent noise.....20 dBA (SPL)
 Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm socket for external microphone
2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop/Flush-mounting
 Dimensions (h × w × d) (w/o stem microphone)
155 × 361 × 122 mm
 Weight (incl. stem microphone).....2.8 kg
 Color.....Silver-gray panel (PANTONE Cool Gray 7 C)
+ black base (PANTONE 419 C)
 Stem length.....330 mm (standard version),
240 mm, 410 mm, 470 mm

Ordering Information

HCS-8338ACE.....Paperless Multimedia Congress Terminal
 (chairman unit, 10" 1280×800 LCD,
 capacitive touch panel, camera with 5
 megapixel, speech, voting, 64 CHs × 2,
 paperless conference functions, video
 conversation, video display, multiple
 channel VOD and broadcasting,
 conference service, built-in contactless
 IC-Card reader, fingerprint identification,
 internet access, printed nameplate,
 silver-gray panel + black base)

HCS-8338ACE-NP.....Paperless Multimedia Congress Terminal
 (chairman unit, 10" 1280×800 LCD,
 capacitive touch panel, camera with 5
 megapixel, speech, voting, 64 CHs × 2,
 paperless conference functions, video
 conversation, video display, multiple
 channel VOD and broadcasting,
 conference service, built-in contactless
 IC-Card reader, fingerprint identification,
 internet access, E-ink nameplate,
 silver-gray panel + black base)

HCS-8338ADE Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot
- Built-in fingerprint identification module
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, internet access, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
 - ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Built-in fingerprint identification module
- Optional printed nameplate (HCS-8338ADE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338ADE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for "daisy chain" connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption 10 W

LCD

Type True color TFT LCD
 Dimension 10 inches, 16:10
 Resolution 1280×800
 Display color 2¹⁸ (18 bit)
 Contrast 500:1

Headphone connection

Frequency response 30 Hz to 20 kHz
 Earphone load impedance>16 Ohm
 Earphone output 13 mW

Microphone

Transducer Electret-condenser
 Polar pattern Uni-directional
 Operating voltage 5 VDC
 Sensitivity-46 dBV/Pa
 Frequency response 50 Hz to 20 kHz
 Input impedance 2 kOhm
 Directivity 0°/180°> 20 dB (1 kHz)
 Equivalent noise 20 dBA (SPL)
 Maximum sound pressure level 125 dB (THD<3%)

Interface data

Connector Ø 3.5 mm socket for external microphone
2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop/Flush-mounting
 Dimensions (h × w × d) (w/o stem microphone)
155 × 361 × 122 mm
 Weight (incl. stem microphone) 2.8 kg
 Color Silver-gray panel (PANTONE Cool Gray 7 C)
+ black base (PANTONE 419 C)
 Stem length 330 mm (standard version),
240 mm, 410 mm, 470 mm

Ordering Information

HCS-8338ADE Paperless Multimedia Congress Terminal
 (delegate unit, 10" 1280×800 LCD,
 capacitive touch panel, camera with 5
 megapixel, speech, voting, 64 CHs × 2,
 paperless conference functions, video
 conversation, video display, multiple
 channel VOD and broadcasting,
 conference service, built-in contactless
 IC-Card reader, fingerprint identification,
 internet access, printed nameplate,
 silver-gray panel + black base)

HCS-8338ADE-NP Paperless Multimedia Congress Terminal
 (delegate unit, 10" 1280×800 LCD,
 capacitive touch panel, camera with 5
 megapixel, speech, voting, 64 CHs × 2,
 paperless conference functions, video
 conversation, video display, multiple
 channel VOD and broadcasting,
 conference service, built-in contactless
 IC-Card reader, fingerprint identification,
 internet access, E-ink nameplate,
 silver-gray panel + black base)

HCS-8338NBCE Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Priority button
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Similar in appearance to Delegate Unit, the Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ♦ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ♦ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ♦ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
 - ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8338BCE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338BCE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s) without PC
 - ◆ Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for "daisy chain" connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption.....10 W

LCD

Type.....True color TFT LCD
 Dimension.....10 inches, 16:10
 Resolution.....1280×800
 Display color.....2¹⁸ (18 bit)
 Contrast.....500:1

Headphone connection

Frequency response.....30 Hz to 20 kHz
 Earphone load impedance.....>16 Ohm
 Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser
 Polar pattern.....Uni-directional
 Operating voltage.....5 VDC
 Sensitivity.....-46 dBV/Pa
 Frequency response.....50 Hz to 20 kHz
 Input impedance.....2 kOhm
 Directivity 0°/180°.....> 20 dB (1 kHz)
 Equivalent noise.....20 dBA (SPL)
 Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm socket for external microphone
2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop/Flush-mounting
 Dimensions (h × w × d) (w/o stem microphone)
155 × 361 × 122 mm
 Weight (incl. stem microphone).....2.8 kg
 Color.....Silver-gray panel (PANTONE Cool Gray 7 C)
+ black base (PANTONE 419 C)
 Stem length.....330 mm (standard version),
240 mm, 410 mm, 470 mm

Ordering Information

HCS-8338NBCE.....Paperless Multimedia Congress Terminal
 (chairman unit, 10" 1280×800 LCD,
 capacitive touch panel, camera with 5
 megapixel, speech, voting, 64 CHs × 2,
 paperless conference functions, video
 conversation, video display, multiple
 channel VOD and broadcasting,
 conference service, built-in contactless
 IC-Card reader, internet access, printed
 nameplate, silver-gray panel + black base)

HCS-8338NBCE-NP.....Paperless Multimedia Congress Terminal
 (chairman unit, 10" 1280×800 LCD,
 capacitive touch panel, camera with 5
 megapixel, speech, voting, 64 CHs × 2,
 paperless conference functions, video
 conversation, video display, multiple
 channel VOD and broadcasting,
 conference service, built-in contactless
 IC-Card reader, internet access, E-ink
 nameplate, silver-gray panel + black base)

HCS-8338NBCE/FM Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs interpretation with volume control
- Priority button
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Similar in appearance to Delegate Unit, the Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ♦ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ♦ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ♦ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
 - ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs interpretation with volume control
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s) without PC
 - ◆ Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphone volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for “daisy chain” connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption 10 W

LCD

Type True color TFT LCD

Dimension 10 inches, 16:10

Resolution 1280×800

Display color 2¹⁸ (18 bit)

Contrast 500:1

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance>16 Ohm

Earphone output 13 mW

Microphone

Transducer Electret-condenser

Polar pattern Uni-directional

Operating voltage 5 VDC

Sensitivity-46 dBV/Pa

Frequency response 50 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/180°> 20 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 125 dB (THD<3%)

Interface data

Connector Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Flush-mounting

Dimensions (h × w × d) (w/o stem microphone)

.....178 × 392 × 83 mm

Weight (incl. stem microphone) 1.8 kg

Color Black (PANTONE 419 C)

Stem length 330 mm (standard version),
240 mm, 410 mm, 470 mm

Ordering Information

HCS-8338NBCE/FM.....Paperless Multimedia Congress Terminal
(flush-mounting chairman unit, 10"
1280×800 LCD, capacitive touch panel,
camera with 5 megapixel, speech, voting,
64 CHs, paperless conference functions,
video conversation, video display, multiple
channel VOD and broadcasting,
conference service, built-in contactless
IC-Card reader, internet access, black)

HCS-8338NBDE

Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
 - ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8338ADE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338ADE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down

- Three voting buttons with indicators
- Microphone On/Off button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for “daisy chain” connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption.....10 W

LCD

Type.....True color TFT LCD
 Dimension.....10 inches, 16:10
 Resolution.....1280×800
 Display color.....2¹⁸ (18 bit)
 Contrast.....500:1

Headphone connection

Frequency response.....30 Hz to 20 kHz
 Earphone load impedance.....>16 Ohm
 Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser
 Polar pattern.....Uni-directional
 Operating voltage.....5 VDC
 Sensitivity.....-46 dBV/Pa
 Frequency response.....50 Hz to 20 kHz
 Input impedance.....2 kOhm
 Directivity 0°/180°.....> 20 dB (1 kHz)
 Equivalent noise.....20 dBA (SPL)
 Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm socket for external microphone
2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop/Flush-mounting
 Dimensions (h × w × d) (w/o stem microphone)
155 × 361 × 122 mm
 Weight (incl. stem microphone).....2.8 kg
 Color.....Silver-gray panel (PANTONE Cool Gray 7 C)
+ black base (PANTONE 419 C)
 Stem length.....330 mm (standard version),
240 mm, 410 mm, 470 mm

Ordering Information

HCS-8338NBDE.....Paperless Multimedia Congress Terminal
 (delegate unit, 10" 1280×800 LCD,
 capacitive touch panel, camera with 5
 megapixel, speech, voting, 64 CHs × 2,
 paperless conference functions, video
 conversation, video display, multiple
 channel VOD and broadcasting,
 conference service, built-in contactless
 IC-Card reader, internet access, printed
 nameplate, silver-gray panel + black base)

HCS-8338NBDE-NP....Paperless Multimedia Congress Terminal
 (delegate unit, 10" 1280×800 LCD,
 capacitive touch panel, camera with 5
 megapixel, speech, voting, 64 CHs × 2,
 paperless conference functions, video
 conversation, video display, multiple
 channel VOD and broadcasting,
 conference service, built-in contactless
 IC-Card reader, internet access, E-ink
 nameplate, silver-gray panel + black base)

HCS-8338NBDE/FM Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs interpretation with volume control
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
 - ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs interpretation with volume control
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphone volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for “daisy chain” connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption 10 W

LCD

Type True color TFT LCD

Dimension 10 inches, 16:10

Resolution 1280×800

Display color 2¹⁸ (18 bit)

Contrast 500:1

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance>16 Ohm

Earphone output 13 mW

Microphone

Transducer Electret-condenser

Polar pattern Uni-directional

Operating voltage 5 VDC

Sensitivity-46 dBV/Pa

Frequency response 50 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/180°> 20 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 125 dB (THD<3%)

Interface data

Connector Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Flush-mounting

Dimensions (h × w × d) (w/o stem microphone)

.....178 × 392 × 83 mm

Weight (incl. stem microphone) 1.8 kg

Color Black (PANTONE 419 C)

Stem length 330 mm (standard version),
240 mm, 410 mm, 470 mm

Ordering Information

HCS-8338NBDE/FM.....Paperless Multimedia Congress Terminal (flush-mounting delegate unit, 10" 1280×800 LCD, capacitive touch panel, camera with 5 megapixel, speech, voting, 64 CHs, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, built-in contactless IC-Card reader, internet access, black)

HCS-8338BCE Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Priority button
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Similar in appearance to Delegate Unit, the Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ♦ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ♦ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ♦ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8338BCE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338BCE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s) without PC
 - ◆ Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for "daisy chain" connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption.....10 W

LCD

Type.....True color TFT LCD
 Dimension.....10 inches, 16:10
 Resolution.....1280×800
 Display color.....2¹⁸ (18 bit)
 Contrast.....500:1

Headphone connection

Frequency response.....30 Hz to 20 kHz
 Earphone load impedance.....>16 Ohm
 Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser
 Polar pattern.....Uni-directional
 Operating voltage.....5 VDC
 Sensitivity.....-46 dBV/Pa
 Frequency response.....50 Hz to 20 kHz
 Input impedance.....2 kOhm
 Directivity 0°/180°.....> 20 dB (1 kHz)
 Equivalent noise.....20 dBA (SPL)
 Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm socket for external microphone
2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop/Flush-mounting
 Dimensions (h × w × d) (w/o stem microphone)
155 × 361 × 122 mm
 Weight (incl. stem microphone).....2.8 kg
 Color.....Silver-gray panel (PANTONE Cool Gray 7 C)
+ black base (PANTONE 419 C)
 Stem length.....330 mm (standard version),
240 mm, 410 mm, 470 mm

Ordering Information

HCS-8338BCE.....Paperless Multimedia Congress Terminal
 (chairman unit, 10" 1280×800 LCD,
 capacitive touch panel, camera with 5
 megapixel, speech, voting, 64 CHs × 2,
 paperless conference functions, video
 conversation, video display, multiple
 channel VOD and broadcasting,
 conference service, built-in contactless
 IC-Card reader, printed nameplate,
 silver-gray panel + black base)

HCS-8338BCE-NP.....Paperless Multimedia Congress Terminal
 (chairman unit, 10" 1280×800 LCD,
 capacitive touch panel, camera with 5
 megapixel, speech, voting, 64 CHs × 2,
 paperless conference functions, video
 conversation, video display, multiple
 channel VOD and broadcasting,
 conference service, built-in contactless
 IC-Card reader, E-ink nameplate,
 silver-gray panel + black base)

HCS-8338BCE/FM Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs interpretation with volume control
- Priority button
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Similar in appearance to Delegate Unit, the Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs interpretation with volume control
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s) without PC
 - ◆ Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for “daisy chain” connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption 10 W

LCD

Type True color TFT LCD

Dimension 10 inches, 16:10

Resolution 1280×800

Display color 2¹⁸ (18 bit)

Contrast 500:1

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance>16 Ohm

Earphone output 13 mW

Microphone

Transducer Electret-condenser

Polar pattern Uni-directional

Operating voltage 5 VDC

Sensitivity-46 dBV/Pa

Frequency response 50 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/180°> 20 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 125 dB (THD<3%)

Interface data

Connector Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Flush-mounting

Dimensions (h × w × d) (w/o stem microphone)

.....178 × 392 × 83 mm

Weight (incl. stem microphone) 1.8 kg

Color Black (PANTONE 419 C)

Stem length 330 mm (standard version),

240 mm, 410 mm, 470 mm

Ordering Information

HCS-8338BCE/FM.....Paperless Multimedia Congress Terminal (flush-mounting chairman unit, 10" 1280×800 LCD, capacitive touch panel, camera with 5 megapixel, speech, voting, 64 CHs, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, built-in contactless IC-Card reader, black)

HCS-8338BDE

Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8338ADE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338ADE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for “daisy chain” connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption.....10 W

LCD

Type.....True color TFT LCD

Dimension.....10 inches, 16:10

Resolution.....1280×800

Display color.....2¹⁸ (18 bit)

Contrast.....500:1

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....>16 Ohm

Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser

Polar pattern.....Uni-directional

Operating voltage.....5 VDC

Sensitivity.....-46 dBV/Pa

Frequency response.....50 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/180°.....> 20 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm socket for external microphone

.....2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop/Flush-mounting

Dimensions (h × w × d) (w/o stem microphone)

.....155 × 361 × 122 mm

Weight (incl. stem microphone).....2.8 kg

Color.....Silver-gray panel (PANTONE Cool Gray 7 C)
+ black base (PANTONE 419 C)

Stem length.....330 mm (standard version),
240 mm, 410 mm, 470 mm

Ordering Information

HCS-8338BDE.....Paperless Multimedia Congress Terminal
(delegate unit, 10" 1280×800 LCD,
capacitive touch panel, camera with 5
megapixel, speech, voting, 64 CHs × 2,
paperless conference functions, video
conversation, video display, multiple
channel VOD and broadcasting,
conference service, built-in contactless
IC-Card reader, printed nameplate,
silver-gray panel + black base)

HCS-8338BDE-NP.....Paperless Multimedia Congress Terminal
(delegate unit, 10" 1280×800 LCD,
capacitive touch panel, camera with 5
megapixel, speech, voting, 64 CHs × 2,
paperless conference functions, video
conversation, video display, multiple
channel VOD and broadcasting,
conference service, built-in contactless
IC-Card reader, E-ink nameplate,
silver-gray panel + black base)

HCS-8338BDE/FM Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8338ADE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338ADE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for “daisy chain” connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption 10 W

LCD

Type True color TFT LCD

Dimension 10 inches, 16:10

Resolution 1280×800

Display color 2¹⁸ (18 bit)

Contrast 500:1

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance>16 Ohm

Earphone output 13 mW

Microphone

Transducer Electret-condenser

Polar pattern Uni-directional

Operating voltage 5 VDC

Sensitivity-46 dBV/Pa

Frequency response 50 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/180°> 20 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 125 dB (THD<3%)

Interface data

Connector Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Flush-mounting

Dimensions (h × w × d) (w/o stem microphone)

.....178 × 392 × 83 mm

Weight (incl. stem microphone) 1.8 kg

Color Black (PANTONE 419 C)

Stem length 330 mm (standard version),
240 mm, 410 mm, 470 mm

Ordering Information

HCS-8338BDE/FM.....Paperless Multimedia Congress Terminal
(flush-mounting delegate unit, 10"
1280×800 LCD, capacitive touch panel,
camera with 5 megapixel, speech, voting,
64 CHs, paperless conference functions,
video conversation, video display, multiple
channel VOD and broadcasting,
conference service, built-in contactless
IC-Card reader, black)

HCS-8348ACE

Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- By adopting microphone-array technology, the sound pick-up performance is improved considerably
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Priority button
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot
- Built-in fingerprint identification module
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, internet access, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Similar in appearance to Delegate Unit, the Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ♦ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ♦ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ♦ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
 - ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Built-in fingerprint identification module
- Optional printed nameplate (HCS-8348ACE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8348ACE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s) without PC
 - ◆ Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Microphone-array with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for "daisy chain" connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption 10 W

LCD

Type True color TFT LCD

Dimension 10 inches, 16:10

Resolution 1280×800

Display color 2¹⁸ (18 bit)

Contrast 500:1

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance>16 Ohm

Earphone output 13 mW

Microphone

Transducer Electret-condenser

Polar pattern Uni-directional

Operating voltage 5 VDC

Sensitivity-46 dBV/Pa

Frequency response 50 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/180°> 20 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 125 dB (THD<3%)

Interface data

Connector Ø 3.5 mm socket for external microphone

.....2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop/Flush-mounting

Dimensions (h × w × d) (w/o microphone array)

.....180 × 366 × 122 mm

Weight (incl. microphone array) 2.8 kg

Color Silver-gray panel (PANTONE Cool Gray 7 C)
+ black base (PANTONE 419 C)

Ordering Information

HCS-8348ACE.....Paperless Multimedia Congress Terminal
(chairman unit, microphone array, 10" 1280×800 LCD, capacitive touch panel, camera with 5 megapixel, speech, voting, 64 CHs × 2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, built-in contactless IC-Card reader, fingerprint identification, internet access, printed nameplate, silver-gray panel + black base)

HCS-8348ACE-NP.....Paperless Multimedia Congress Terminal
(chairman unit, microphone array, 10" 1280×800 LCD, capacitive touch panel, camera with 5 megapixel, speech, voting, 64 CHs × 2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, built-in contactless IC-Card reader, fingerprint identification, internet access, E-ink nameplate, silver-gray panel + black base)

HCS-8348ADE Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- By adopting microphone-array technology, the sound pick-up performance is improved considerably
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot
- Built-in fingerprint identification module
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, internet access, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
 - ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Built-in fingerprint identification module
- Optional printed nameplate (HCS-8348ADE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8348ADE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Microphone-array with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for "daisy chain" connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption 10 W

LCD

Type True color TFT LCD

Dimension 10 inches, 16:10

Resolution 1280×800

Display color 2¹⁸ (18 bit)

Contrast 500:1

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance>16 Ohm

Earphone output 13 mW

Microphone

Transducer Electret-condenser

Polar pattern Uni-directional

Operating voltage 5 VDC

Sensitivity-46 dBV/Pa

Frequency response 50 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/180°> 20 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 125 dB (THD<3%)

Interface data

Connector Ø 3.5 mm socket for external microphone

.....2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop/Flush-mounting

Dimensions (h × w × d) (w/o microphone array)

.....180 × 366 × 122 mm

Weight (incl. microphone array) 2.8 kg

Color Silver-gray panel (PANTONE Cool Gray 7 C)
+ black base (PANTONE 419 C)

Ordering Information

HCS-8348ADE.....Paperless Multimedia Congress Terminal
(delegate unit, microphone array, 10" 1280×800 LCD, capacitive touch panel, camera with 5 megapixel, speech, voting, 64 CHs × 2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, built-in contactless IC-Card reader, fingerprint identification, internet access, printed nameplate, silver-gray panel + black base)

HCS-8348ADE-NP.....Paperless Multimedia Congress Terminal
(delegate unit, microphone array, 10" 1280×800 LCD, capacitive touch panel, camera with 5 megapixel, speech, voting, 64 CHs × 2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, built-in contactless IC-Card reader, fingerprint identification, internet access, E-ink nameplate, silver-gray panel + black base)

HCS-8348NBCE Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- By adopting microphone-array technology, the sound pick-up performance is improved considerably
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Priority button
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Similar in appearance to Delegate Unit, the Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
 - ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8348BDE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8348BDE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s) without PC
 - ◆ Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Microphone-array with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators

- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for “daisy chain” connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption.....10 W

LCD

Type.....True color TFT LCD
 Dimension.....10 inches, 16:10
 Resolution.....1280×800
 Display color.....2¹⁸ (18 bit)
 Contrast.....500:1

Headphone connection

Frequency response.....30 Hz to 20 kHz
 Earphone load impedance.....>16 Ohm
 Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser
 Polar pattern.....Uni-directional
 Operating voltage.....5 VDC
 Sensitivity.....-46 dBV/Pa
 Frequency response.....50 Hz to 20 kHz
 Input impedance.....2 kOhm
 Directivity 0°/180°.....> 20 dB (1 kHz)
 Equivalent noise.....20 dBA (SPL)
 Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm socket for external microphone
2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop/Flush-mounting
 Dimensions (h × w × d) (w/o microphone array)
180 × 366 × 122 mm
 Weight (incl. microphone array).....2.8 kg
 Color.....Silver-gray panel (PANTONE Cool Gray 7 C)
+ black base (PANTONE 419 C)

Ordering Information

HCS-8348NBCE.....Paperless Multimedia Congress Terminal
 (chairman unit, microphone array, 10"
 1280×800 LCD, capacitive touch panel,
 camera with 5 megapixel, speech, voting,
 64 CHs × 2, paperless conference
 functions, video conversation, video
 display, multiple channel VOD and
 broadcasting, conference service, built-in
 contactless IC-Card reader, internet
 access, printed nameplate, silver-gray
 panel + black base)

HCS-8348NBCE-NP ...Paperless Multimedia Congress Terminal
 (chairman unit, microphone array, 10"
 1280×800 LCD, capacitive touch panel,
 camera with 5 megapixel, speech, voting,
 64 CHs × 2, paperless conference
 functions, video conversation, video
 display, multiple channel VOD and
 broadcasting, conference service, built-in
 contactless IC-Card reader, internet
 access, E-ink nameplate, silver-gray panel
 + black base)

HCS-8348NBDE

Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- By adopting microphone-array technology, the sound pick-up performance is improved considerably
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot
- Internet access

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
 - ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8348BDE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8348BDE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Microphone-array with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for “daisy chain” connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption.....10 W

LCD

Type.....True color TFT LCD

Dimension.....10 inches, 16:10

Resolution.....1280×800

Display color.....2¹⁸ (18 bit)

Contrast.....500:1

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....>16 Ohm

Earphone output.....13 mW

Microphone

Transducer.....Electret-condenser

Polar pattern.....Uni-directional

Operating voltage.....5 VDC

Sensitivity.....-46 dBV/Pa

Frequency response.....50 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/180°.....> 20 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm socket for external microphone
.....2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop/Flush-mounting

Dimensions (h × w × d) (w/o microphone array)

.....180 × 366 × 122 mm

Weight (incl. microphone array).....2.8 kg

Color.....Silver-gray panel (PANTONE Cool Gray 7 C)
+ black base (PANTONE 419 C)

Ordering Information

HCS-8348NBDE.....Paperless Multimedia Congress Terminal (delegate unit, microphone array, 10" 1280×800 LCD, capacitive touch panel, camera with 5 megapixel, speech, voting, 64 CHs × 2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, built-in contactless IC-Card reader, internet access, printed nameplate, silver-gray panel + black base)

HCS-8348NBDE-NP....Paperless Multimedia Congress Terminal (delegate unit, microphone array, 10" 1280×800 LCD, capacitive touch panel, camera with 5 megapixel, speech, voting, 64 CHs × 2, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, built-in contactless IC-Card reader, internet access, E-ink nameplate, silver-gray panel + black base)

HCS-8348BCE Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- By adopting microphone-array technology, the sound pick-up performance is improved considerably
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Priority button
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1280×800) LCD touch panel and an integrated 5 megapixel camera. It realizes versatile functions, e.g. conference control & management (speech, vote, simultaneous interpretation), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, take photo, delegate photo for attendance check and record facility on important conferences, video conversation, video display, multiple channel VOD (up to 10 channels with 1280×800 resolution) and broadcasting, short message, call service, etc.

Similar in appearance to Delegate Unit, the Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8348BDE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8348BDE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s) without PC
 - ◆ Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Microphone-array with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for “daisy chain” connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption 10 W

LCD

Type True color TFT LCD

Dimension 10 inches, 16:10

Resolution 1280×800

Display color 2¹⁸ (18 bit)

Contrast 500:1

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance>16 Ohm

Earphone output 13 mW

Microphone

Transducer Electret-condenser

Polar pattern Uni-directional

Operating voltage 5 VDC

Sensitivity-46 dBV/Pa

Frequency response 50 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/180°> 20 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 125 dB (THD<3%)

Interface data

Connector Ø 3.5 mm socket for external microphone
2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop/Flush-mounting

Dimensions (h × w × d) (w/o microphone array)

.....180 × 366 × 122 mm

Weight (incl. microphone array) 2.8 kg

Color Silver-gray panel (PANTONE Cool Gray 7 C)
 + black base (PANTONE 419 C)

Ordering Information

HCS-8348BCE.....Paperless Multimedia Congress Terminal
 (chairman unit, microphone array, 10"
 1280×800 LCD, capacitive touch panel,
 camera with 5 megapixel, speech, voting,
 64 CHs × 2, paperless conference
 functions, video conversation, video
 display, multiple channel VOD and
 broadcasting, conference service, built-in
 contactless IC-Card reader, printed
 nameplate, silver-gray panel + black base)

HCS-8348BCE-NP.....Paperless Multimedia Congress Terminal
 (chairman unit, microphone array, 10"
 1280×800 LCD, capacitive touch panel,
 camera with 5 megapixel, speech, voting,
 64 CHs × 2, paperless conference
 functions, video conversation, video
 display, multiple channel VOD and
 broadcasting, conference service, built-in
 contactless IC-Card reader, E-ink
 nameplate, silver-gray panel + black base)



- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- By adopting microphone-array technology, the sound pick-up performance is improved considerably
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 5-megapixel camera with flashlight
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Interactive conference control and management function:
 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume. etc.

- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader
 - ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
 - ◆ Delegate information and conference agenda display
 - ◆ Take photo
 - ◆ Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
 - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
 - ◆ Short messages reader and editor
 - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8348BDE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8348BDE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Key press sign-in
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
 - ◆ Microphone control
 - ◆ Voting control
 - ◆ Desktop sharing control

Controls and Indicators

- Graphic 10" LCD touch panel for interactive functions
- Microphone-array with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SD card slot for file upload or file backup
- USB interface for uploading or backing up files, or connecting to mouse or keyboard
- Two Gigabit network ports for “daisy chain” connection
- One DC slot for connecting to 2-meter power branch cable (CBL4PT-02)

Technical Specifications

Electrical

Max. consumption 10 W

LCD

Type True color TFT LCD

Dimension 10 inches, 16:10

Resolution 1280×800

Display color 2¹⁸ (18 bit)

Contrast 500:1

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance>16 Ohm

Earphone output 13 mW

Microphone

Transducer Electret-condenser

Polar pattern Uni-directional

Operating voltage 5 VDC

Sensitivity-46 dBV/Pa

Frequency response 50 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/180°> 20 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 125 dB (THD<3%)

Interface data

Connector Ø 3.5 mm socket for external microphone
2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop/Flush-mounting

Dimensions (h × w × d) (w/o microphone array)

.....180 × 366 × 122 mm

Weight (incl. microphone array) 2.8 kg

Color Silver-gray panel (PANTONE Cool Gray 7 C)
 + black base (PANTONE 419 C)

Ordering Information

HCS-8348BDE.....Paperless Multimedia Congress Terminal
 (delegate unit, microphone array, 10"
 1280×800 LCD, capacitive touch panel,
 camera with 5 megapixel, speech, voting,
 64 CHs × 2, paperless conference
 functions, video conversation, video
 display, multiple channel VOD and
 broadcasting, conference service, built-in
 contactless IC-Card reader, printed
 nameplate, silver-gray panel + black base)

HCS-8348BDE-NP.....Paperless Multimedia Congress Terminal
 (delegate unit, microphone array, 10"
 1280×800 LCD, capacitive touch panel,
 camera with 5 megapixel, speech, voting,
 64 CHs × 2, paperless conference
 functions, video conversation, video
 display, multiple channel VOD and
 broadcasting, conference service, built-in
 contactless IC-Card reader, E-ink
 nameplate, silver-gray panel + black base)

HCS-8335C Economical Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Equipped with a 10" TFT LCD, 1280×800 high-resolution
- Supporting high definition digital video display (HDMI, SDI, VGA, CVBS, DVI, etc.)
- Transmitting video signal on a coaxial-cable, latency < 30 us
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Priority button
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot (HCS-8335C)

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interferences from mobile phones. Similar in appearance to HCS-8335D Delegate Unit, the HCS-8335C Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to start or stop voting and turn off all active microphones. Channel selection is automatically limited to the number of language channels available.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Equipped with a 10" TFT LCD, 1280×800 high-resolution
- Supporting high definition digital video display (HDMI, SDI, VGA, CVBS, DVI, etc.)
- Transmitting video signal on a coaxial-cable, latency < 30 us
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Conference service: short messages reader
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot (HCS-8335C) to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8335C)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8335C-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation

- Multi-form voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s)
 - ◆ Controls voting start and stop
 - ◆ System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Graphic 10" TFT LCD
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Five buttons with indicators
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SDI input
- SDI output
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption..... 8 W

LCD

Type..... True color TFT LCD
 Dimension..... 10 inches, 16:10
 Resolution..... 1280×800
 Display color..... 2¹⁸ (18 bit)
 Contrast..... 500:1

Headphone connection

Frequency response..... 30 Hz to 20 kHz
 Earphone load impedance..... >16 Ohm
 Earphone output..... 13 mW

Microphone

Transducer..... Electret-condenser
 Polar pattern..... Uni-directional
 Operating voltage..... 5 VDC
 Sensitivity..... -46 dBV/Pa
 Frequency response..... 50 Hz to 20 kHz
 Input impedance..... 2 kOhm
 Directivity 0°/180°..... > 20 dB (1 kHz)
 Equivalent noise..... 20 dBA (SPL)
 Maximum sound pressure level..... 125 dB (THD<3%)

Interface data

Connector..... Ø 3.5 mm socket for external microphone
 2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting..... Tabletop/Flush-mounting
 Dimensions (h × w × d) (w/o stem microphone)
 155 × 361 × 122 mm
 Weight (incl. stem microphone)..... 2.8 kg
 Color..... Silver-gray panel (PANTONE Cool Gray 7 C)
 + black base (PANTONE 419 C)
 Stem length..... 330 mm (standard version),
 240 mm, 410 mm, 470 mm

Ordering Information

HCS-8335C..... Economical Multimedia Congress Terminal
 (chairman unit, 10" 1280×800 LCD,
 speech, voting, 64 CHs × 2, HD video
 display, built-in contactless IC-Card reader,
 printed nameplate, silver-gray panel +
 black base)
 HCS-8335C-NP..... Economical Multimedia Congress Terminal
 (chairman unit, 10" 1280×800 LCD,
 speech, voting, 64 CHs × 2, HD video
 display, built-in contactless IC-Card reader,
 E-ink nameplate, silver-gray panel + black
 base)

HCS-8335D Economical Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Equipped with a 10" TFT LCD, 1280×800 high-resolution
- Supporting high definition digital video display (HDMI, SDI, VGA, CVBS, DVI, etc.)
- Transmitting video signal on a coaxial-cable, latency < 30 us
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Pluggable microphone
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot (HCS-8335D)

The delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, listening, voting and selecting language channels and offers excellent immunity to RF interferences from mobile phones. It features two channel selectors with automatic limitation to the number of language channels available.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Equipped with a 10" TFT LCD, 1280×800 high-resolution
- Supporting high definition digital video display (HDMI, SDI, VGA, CVBS, DVI, etc.)
- Transmitting video signal on a coaxial-cable, latency < 30 us
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Conference service: short messages reader
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot (HCS-8335D) to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8335D)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8335D-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation

- Multi-form voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Graphic 10" TFT LCD
- Uni-directional electret condenser microphone with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Five buttons with indicators
- Microphone On/Off button

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SDI input
- SDI output
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption..... 8 W

LCD

Type..... True color TFT LCD
 Dimension..... 10 inches, 16:10
 Resolution..... 1280×800
 Display color..... 2¹⁸ (18 bit)
 Contrast..... 500:1

Headphone connection

Frequency response..... 30 Hz to 20 kHz
 Earphone load impedance..... >16 Ohm
 Earphone output..... 13 mW

Microphone

Transducer..... Electret-condenser
 Polar pattern..... Uni-directional
 Operating voltage..... 5 VDC
 Sensitivity..... -46 dBV/Pa
 Frequency response..... 50 Hz to 20 kHz
 Input impedance..... 2 kOhm
 Directivity 0°/180°..... > 20 dB (1 kHz)
 Equivalent noise..... 20 dBA (SPL)
 Maximum sound pressure level..... 125 dB (THD<3%)

Interface data

Connector..... Ø 3.5 mm socket for external microphone
 2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting..... Tabletop/Flush-mounting
 Dimensions (h × w × d) (w/o stem microphone)
 155 × 361 × 122 mm
 Weight (incl. stem microphone)..... 2.8 kg
 Color..... Silver-gray panel (PANTONE Cool Gray 7 C)
 + black base (PANTONE 419 C)
 Stem length..... 330 mm (standard version),
 240 mm, 410 mm, 470 mm

Ordering Information

HCS-8335D..... Economical Multimedia Congress Terminal
 (delegate unit, 10" 1280×800 LCD, speech,
 voting, 64 CHs × 2, HD video display,
 built-in contactless IC-Card reader, printed
 nameplate, silver-gray panel + black base)
 HCS-8335D-NP..... Economical Multimedia Congress Terminal
 (delegate unit, 10" 1280×800 LCD, speech,
 voting, 64 CHs × 2, HD video display,
 built-in contactless IC-Card reader, E-ink
 nameplate, silver-gray panel + black base)

HCS-8335AC Economical Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Equipped with a 10" TFT LCD, 1280×800 high-resolution
- Supporting high definition digital video display (HDMI, SDI, VGA, CVBS, DVI, etc.)
- Transmitting video signal on a coaxial-cable, latency < 30 us
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Priority button
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot (HCS-8335AC)

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interferences from mobile phones. Similar in appearance to HCS-8335AD Delegate Unit, the HCS-8335AC Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to start or stop voting and turn off all active microphones. Channel selection is automatically limited to the number of language channels available.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Equipped with a 10" TFT LCD, 1280×800 high-resolution
- Supporting high definition digital video display (HDMI, SDI, VGA, CVBS, DVI, etc.)
- Transmitting video signal on a coaxial-cable, latency < 30 us
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Conference service: short messages reader
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot (HCS-8335AC) to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8335AC)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8335AC-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules

- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s)
 - ◆ Controls voting start and stop
 - ◆ System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or mian unit)

Controls and Indicators

- Graphic 10" TFT LCD
- Microphone-array with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Five buttons with indicators
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SDI input
- SDI output
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption..... 8 W

LCD

Type..... True color TFT LCD

Dimension..... 10 inches, 16:10

Resolution..... 1280×800

Display color..... 2¹⁸ (18 bit)

Contrast..... 500:1

Headphone connection

Frequency response..... 30 Hz to 20 kHz

Earphone load impedance..... >16 Ohm

Earphone output..... 13 mW

Microphone

Transducer..... Electret-condenser

Polar pattern..... Uni-directional

Operating voltage..... 5 VDC

Sensitivity..... -46 dBV/Pa

Frequency response..... 50 Hz to 20 kHz

Input impedance..... 2 kOhm

Directivity 0°/180°..... > 20 dB (1 kHz)

Equivalent noise..... 20 dBA (SPL)

Maximum sound pressure level..... 125 dB (THD<3%)

Interface data

Connector..... Ø 3.5 mm socket for external microphone

..... 2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting..... Tabletop/Flush-mounting

Dimensions (h × w × d) (w/o microphone array)

..... 180 × 366 × 122 mm

Weight (incl. stem microphone)..... 2.8 kg

Color..... Silver-gray panel (PANTONE Cool Gray 7 C)
+ black base (PANTONE 419 C)

Ordering Information

HCS-8335AC..... Economical Multimedia Congress Terminal
(chairman unit, microphone array, 10"
1280×800 LCD, speech, voting, 64 CHs×
2, HD video display, built-in contactless
IC-Card reader, printed nameplate,
silver-gray panel + black base)

HCS-8335AC-NP..... Economical Multimedia Congress Terminal
(chairman unit, microphone array, 10"
1280×800 LCD, speech, voting, 64 CHs×
2, HD video display, built-in contactless
IC-Card reader, E-ink nameplate,
silver-gray panel + black base)

HCS-8335AD

Economical Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Equipped with a 10" TFT LCD, 1280×800 high-resolution
- Supporting high definition digital video display (HDMI, SDI, VGA, CVBS, DVI, etc.)
- Transmitting video signal on a coaxial-cable, latency < 30 us
- "Closed Loop - Daisy Chain" connection topology
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half
- Transmitting up to 64 CHs high quality digital audio signals
- Excellent immunity to RF interferences from mobile phones
- Supporting "PnP" (plug and play)
- Built-in contactless IC-Card slot (HCS-8335AD)

The delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, listening, voting and selecting language channels and offers excellent immunity to RF interferences from mobile phones. It features two channel selectors with automatic limitation to the number of language channels available.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to IEC 60914
- Equipped with a 10" TFT LCD, 1280×800 high-resolution
- Supporting high definition digital video display (HDMI, SDI, VGA, CVBS, DVI, etc.)
- Transmitting video signal on a coaxial-cable, latency < 30 us
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Conference service: short messages reader
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone array technology
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card (HCS-8335AD) slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8335AD)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8335AD-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules

- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Graphic 10" TFT LCD
- Microphone-array with two-color illuminated ring
- Channel select buttons
- Headphones volume up and down
- Five buttons with indicators
- Microphone On/Off button

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- Ø 3.5 mm socket for external microphone
- SDI input
- SDI output
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption..... 8 W

LCD

Type..... True color TFT LCD
 Dimension..... 10 inches, 16:10
 Resolution..... 1280×800
 Display color..... 2¹⁸ (18 bit)
 Contrast..... 500:1

Headphone connection

Frequency response..... 30 Hz to 20 kHz
 Earphone load impedance..... >16 Ohm
 Earphone output..... 13 mW

Microphone

Transducer..... Electret-condenser
 Polar pattern..... Uni-directional
 Operating voltage..... 5 VDC
 Sensitivity..... -46 dBV/Pa
 Frequency response..... 50 Hz to 20 kHz
 Input impedance..... 2 kOhm
 Directivity 0°/180°..... > 20 dB (1 kHz)
 Equivalent noise..... 20 dBA (SPL)
 Maximum sound pressure level..... 125 dB (THD<3%)

Interface data

Connector..... Ø 3.5 mm socket for external microphone
 2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting..... Tabletop/Flush-mounting
 Dimensions (h × w × d) (w/o microphone array)
 180 × 366 × 122 mm
 Weight (incl. stem microphone)..... 2.8 kg
 Color..... Silver-gray panel (PANTONE Cool Gray 7 C)
 + black base (PANTONE 419 C)

Ordering Information

HCS-8335AD..... Economical Multimedia Congress Terminal
 (delegate unit, microphone array, 10"
 1280×800 LCD, speech, voting, 64 CHs×
 2, HD video display, built-in contactless
 IC-Card reader, printed nameplate,
 silver-gray panel + black base)
 HCS-8335AD-NP..... Economical Multimedia Congress Terminal
 (delegate unit, microphone array, 10"
 1280×800 LCD, speech, voting, 64 CHs×
 2, HD video display, built-in contactless
 IC-Card reader, E-ink nameplate,
 silver-gray panel + black base)

HCS-8336 SDI Monitor for Interpreter



Features

- Stylish and ergonomic design
- Compliant to IEC 60914
- Perfect display solution for interpreter booth
- "Closed Loop - Daisy Chain" connection topology
- Equipped with a 10" TFT LCD, 1280×800 high-resolution
- HD monitor with SDI signal transmission
- Video source switchable by interpreter
- Supporting high definition digital video display (HDMI, SDI, VGA, CVBS, DVI, etc.)
- Transmitting video signal on a coaxial-cable, latency < 30 us
- Optional printed nameplate
- Call service

Controls and Indicators

- Graphic 10" TFT LCD
- Five voting buttons with indicators

Interconnections

- SDI input
- SDI output
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption 8 W

LCD

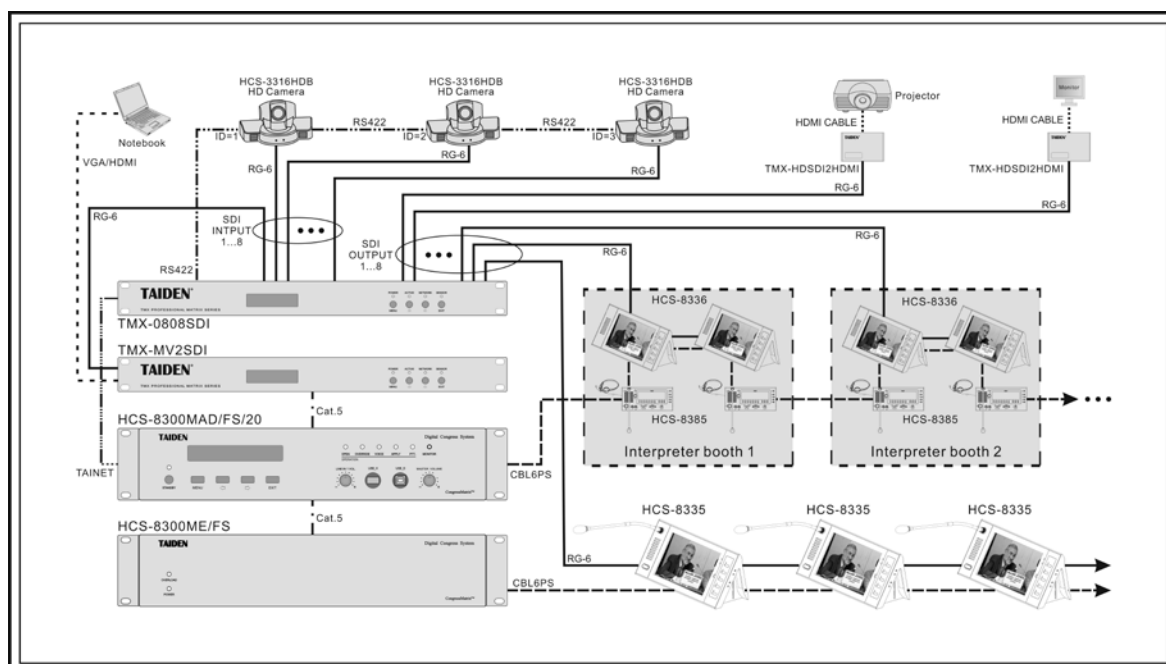
Type True color TFT LCD
 Dimension 10 inches, 16:10
 Resolution 1280×800
 Display color 2¹⁸ (18 bit)
 Contrast 500:1

Mechanical

Mounting Tabletop/Flush-mounting
 Dimensions (h × w × d) (w/o stem microphone) 155 × 361 × 122 mm
 Weight (incl. stem microphone) 2.8 kg
 Color Silver-gray panel (PANTONE Cool Gray 7 C)
 + black base (PANTONE 419 C)

Ordering Information

HCS-8336 SDI Monitor for Interpreter (10" 1280×800 LCD, HD video display, printed nameplate, silver-gray panel + black base)



Function list

Type No.	Paperless Multimedia Congress Terminal			Economical Multimedia Congress Terminal	
	HCS-8338A(-NP) HCS-8348A(-NP)	HCS-8338NB(-NP) HCS-8348NB(-NP) HCS-8338NB/FM	HCS-8338B(-NP) HCS-8348B(-NP) HCS-8338B/FM	HCS-8335(-NP) HCS-8335A(-NP)	HCS-8336
Transmission echnology	GMC-STREAM Gigabit Multimedia Congress Stream technology			SDI signal transmission	
Connection	Cat.5e/Cat.6 network cable			75 Ohm coaxial-cable + 6pin DIN cable	
Capacitive touch panel	●	●	●		
Speech	●	●	●	●	
Sign-in	●	●	●	●	
Voting	●	●	●	●	
64 CHs × 2	●	●	●	●	
Intercom	●	●	●	●	
Conference documents management	●	●	●		
Speech text guidance	●	●	●		
Conference documents reader	●	●	●		
Desktop sharing	●	●	●		
Internet access	●	●			
Delegate information and conference agenda display	●	●	●		
Photo shot	●	●	●		
Video conversation	●	●	●		
Video display	●	●	●	●	●
Multiple channel VOD	●	●	●		
Multiple channel video broadcasting	●	●	●		
Send message	●	●	●		
Call service	●	●	●		●
Contactless IC-Card reader	●	●	●	●	
Built-in fingerprint identification module	●				
Printed nameplate	Except with "-NP" in model type suffix (not for flush-mounting)				●
Built-in E-ink nameplate	Only for with "-NP" in model type suffix				
Status	Chairman/Delegate	Chairman/Delegate	Chairman/Delegate	Chairman/Delegate	
Mounting	Tabletop Flush-mounting	Tabletop Flush-mounting	Tabletop Flush-mounting	Tabletop Flush-mounting	Tabletop Flush-mounting

HCS-8313C Chairman Unit with Voting and Channel Selection



Features

- Stylish and ergonomic design
- Invisible microphone
- Priority button
- 5 voting keys
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable
- Built-in channel selector consists of channel select keys and channel indicator display
- Excellent immunity to RF interferences from mobile phones
- "Closed Loop - Daisy Chain" connection topology
- Supporting "PnP" (plug and play)
- A suitable architectural room acoustics is needed when using an invisible microphone

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interferences from mobile phones. Similar in appearance to HCS-8313D Delegate Unit, the HCS-8313C Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to start or stop voting and turn off all active microphones. Channel selection is automatically limited to the number of language channels available.

Functions

- Compliant to IEC 60914
- Microphone-array technology improves sound pick-up performance considerably. In cooperation with CongressMatrix technology, acoustic transmission gain is increased. Using invisible microphone, the conference room looks tidy and clean. Large operating range for the orator, maintaining a clear and stable pick-up performance
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports up to 64 (1+63) CHs simultaneous interpretation

- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Key-press sign-in
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Low power consumption design
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s)
 - ◆ Voting start and stop control
 - ◆ System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Built-in channel selector with channel select keys and channel indicator display (earphone needed)
- Five voting buttons with indicators
- Headphones volume up and down
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption 1.3 W

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance >16 Ohm

Earphone output 10 mW

Interface data

Connector Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop

Dimensions (h × w × d) 54 × 172 × 79 mm

Weight 0.5 kg

Color Dark gray (PANTONE 426 C)

Ordering Information

HCS-8313C_G Fully Digital Congress System Chairman Unit
(tabletop, invisible microphone, 5 voting keys,
64 CHs, dark gray)

HCS-8313D Discussion Unit with Voting and Channel Selection



Features

- Stylish and ergonomic design
- Invisible microphone
- 5 voting keys
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable
- Built-in channel selector consists of channel select keys and channel indicator display
- Excellent immunity to RF interferences from mobile phones
- "Closed Loop - Daisy Chain" connection topology
- Supporting "PnP" (plug and play)
- A suitable architectural room acoustics is needed when using an invisible microphone

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, listening, voting and selecting language channels and offers excellent immunity to RF interferences from mobile phones. It features a channel selector with automatic limitation to the number of language channels available.

Functions

- Compliant to IEC 60914
- Microphone-array technology improves sound pick-up performance considerably. In cooperation with CongressMatrix technology, acoustic transmission gain is increased. Using invisible microphone, the conference room looks tidy and clean. Large operating range for the orator, maintaining a clear and stable pick-up performance
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units

- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Key-press sign-in
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Low power consumption design
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Built-in channel selector with channel select keys and channel indicator display (earphone needed)
- Five voting buttons with indicators
- Headphones volume up and down
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption 1.3 W

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance>16 Ohm

Earphone output 10 mW

Interface data

Connector Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop

Dimensions (h × w × d) 54 × 172 × 79 mm

Weight 0.5 kg

Color Dark gray (PANTONE 426 C)

Ordering Information

HCS-8313D_G Fully Digital Congress System Delegate Unit
(tabletop, invisible microphone, 5 voting keys,
64 CHs, dark gray)

HCS-8314D

Discussion Unit with Voting



Features

- Stylish and ergonomic design
- Invisible microphone
- 5 voting keys
- Excellent immunity to RF interferences from mobile phones
- "Closed Loop - Daisy Chain" connection topology
- Supporting "PnP" (plug and play)
- A suitable architectural room acoustics is needed when using an invisible microphone

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, listening and voting and offers excellent immunity to RF interferences from mobile phones.

Functions

- Compliant to IEC 60914
- Microphone-array technology improves sound pick-up performance considerably. In cooperation with CongressMatrix technology, acoustic transmission gain is increased. Using invisible microphone, the conference room looks tidy and clean. Large operating range for the orator, maintaining a clear and stable pick-up performance
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Key-press sign-in

- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Voting function (Yes/No/Abstain)
- Multifunction voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Low power consumption design
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Five voting buttons with indicators
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....>16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h × w × d).....54 × 172 × 79 mm

Weight.....0.5 kg

Color.....Dark gray (PANTONE 426 C)

Ordering Information

HCS-8314D_G.....Fully Digital Congress System Delegate Unit
(tabletop, invisible microphone, 5 voting keys,
dark gray)

HCS-8315C Chairman Unit



Features

- Stylish and ergonomic design
- Invisible microphone
- Priority button
- Excellent immunity to RF interferences from mobile phones
- "Closed Loop - Daisy Chain" connection topology
- Supporting "PnP" (plug and play)
- A suitable architectural room acoustics is needed when using an invisible microphone

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interferences from mobile phones. Similar in appearance to HCS-8315D Delegate Unit, the HCS-8315C Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Functions

- Compliant to IEC 60914
- Microphone-array technology improves sound pick-up performance considerably. In cooperation with CongressMatrix technology, acoustic transmission gain is increased. Using invisible microphone, the conference room looks tidy and clean. Large operating range for the orator, maintaining a clear and stable pick-up performance
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices

- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Low power consumption design
- Chairman unit: features all delegate functions, additionally:
 - ◆ Activation at any time (if the number of active microphones in the system is less than 6)
 - ◆ Priority button to switch off or to mute the delegate units (except VIP units) according to preset
 - ◆ Approves/denies delegate speaking request(s)
 - ◆ System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....>16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h × w × d).....54 × 172 × 79 mm

Weight.....0.5 kg

Color.....Dark gray (PANTONE 426 C)
/ Light gray (PANTONE 424 C)

Ordering Information

HCS-8315C_G..... Fully Digital Congress System Chairman Unit
(tabletop, invisible microphone, dark gray)

HCS-8315C_L..... Fully Digital Congress System Chairman Unit
(tabletop, invisible microphone, light gray)

HCS-8315D Discussion Unit



Features

- Stylish and ergonomic design
- Invisible microphone
- Excellent immunity to RF interferences from mobile phones
- “Closed Loop - Daisy Chain” connection topology
- Supporting “PnP” (plug and play)
- A suitable architectural room acoustics is needed when using an invisible microphone

The delegate unit meets the basic demands of conferences. It provides facilities for speaking and listening and offers excellent immunity to RF interferences from mobile phones.

Functions

- Compliant to IEC 60914
- Microphone-array technology improves sound pick-up performance considerably. In cooperation with CongressMatrix technology, acoustic transmission gain is increased. Using invisible microphone, the conference room looks tidy and clean. Large operating range for the orator, maintaining a clear and stable pick-up performance
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting “PnP” (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Microphone On/Off button with indicator
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
 - ◆ Set the number of delegates permitted to speak at the same time

- ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Low power consumption design
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....>16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h × w × d).....54 × 172 × 79 mm

Weight.....0.5 kg

Color.....Dark gray (PANTONE 426 C)

Ordering Information

HCS-8315D_G.....Fully Digital Congress System Delegate Unit
(tabletop, invisible microphone, dark gray)

HCS-8315D_L.....Fully Digital Congress System Delegate Unit
(tabletop, invisible microphone, light gray)

Function list

Type No.	HCS-8313C	HCS-8313D	HCS-8314D	HCS-8315C	HCS-8315D
Status	Chairman	Delegate	Delegate	Chairman	Delegate
Speech	√	√	√	√	√
Key-press sign-in	√	√	√		
Voting	√	√	√		
64 CHs simultaneous interpretation	√	√			

HCS-8385/60 64-Channel Simultaneous Interpreter Unit



Features

- **User-centered design:** incorporating most recent requirements from conference interpreters (at European Institutions, the United Nations, ...)
- **"Closed Loop - Daisy Chain"** connection topology
- **Accommodates up to 64 interpretation channels** (incl. floor channel)
- **Audio quality:** supporting 48 kHz audio sampling rate, 30 Hz to 20 kHz frequency response on all 64 channels
- **Excellent immunity to RF interference** from mobile phones
- **Ergonomic design** with features for visually impaired
- **7.2" TFT LCD** for high quality display
- **7 pre-select buttons** (1/2/3/4/5/6/7) for relay languages with activation indication on the LCD
- **Adjustable Gain and EQ** for the activated microphone
- **Supports 3.5 mm stereo headset** with CTIA standard
- **Hearing protection**
- **Mobile messaging integration:** lead interpreter can send text messages from a mobile phone to all Interpreter Units via Bluetooth

HCS-8385/60 Interpreter Unit provides up to 64 CHs language channels. It is composed of a 7.2" TFT LCD, built-in 64 CHs channel selector and loudspeaker, pluggable stem microphone and headphone/microphone jacks. LCD can display channel number, language name, input language, quality indication and short message, etc. It can display a) the audience status of the output channel, including how many people are listening to the output channel from wired language distribution system, b) if the output channel is monitored by the infrared language distribution system (HCS-5100 system), and c) if the output channel is recording. In addition, the signal level of the input channel can be displayed in real time. Interpreter Unit's connection cable is compatible with the trunk-line cable, thus Interpreter Units can be easily added to system in place.

It provides two operation modes: normal interpretation and relay interpretation with auto-relay.

Functions

- **User-centered design:** incorporating most recent requirements from conference interpreters (at European Institutions, the United Nations, ...)
- **Fully digital audio technology**
- **"Closed Loop - Daisy Chain"** connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- **Accommodates up to 64 interpretation channels** (incl. floor channel)
- **Audio quality:** supporting 48 kHz audio sampling rate, 30 Hz to 20 kHz frequency response on all 64 channels
- **Integrated high-pass filter** (low-cut switch) to cut low frequency elements from the audio when needed
- **Direct and relay interpretation** available
- **Auto relay interpretation** facility
- **Presets language name** either by the main unit or the application software
- **Gain and EQ** of the activated microphone adjustable either by the main unit or the application software
- **Microphone** can be unplugged during adjournment, easy to maintain
- **Automatic feedback prevention** when listening to own interpretation
- **Hearing protection:**
 - When headphones are plugged in, impedance is automatically recognized and audio level is adjusted accordingly
 - When headphones level exceeds a preset value, a floating window will be triggered to alert
- **Built-in loudspeaker** with volume control. If all microphones in the same booth are off, the loudspeaker will play floor language or interpretation channel
- **Channel interlock function** permits only one microphone on a channel to be activated at any time, ensuring the uniqueness of language channels
- **Three necessary modes** between interpreter booths:
 - **Interlock:** blocks another interpreter from using the same channel in another interpreter booth.
 - **Override:** allows an interpreter to override another interpreter in another interpreter booth supplying the same interpretation channel.
 - **BC-Override:** allows B/C channel of an interpreter in a booth to override an occupied A channel in another booth, but supplying the same channel.
- **Two necessary modes** within one interpreter booth: Interlock and Override
- **A maximum of six interpreter units** can be installed in each booth
- **Mobile messaging integration:** lead interpreter can send text messages from a mobile phone to all Interpreter Units via Bluetooth
- **Password function** available
 - System manager could set password for authorization of changing interpreter unit setting, so as to avoid random alteration
 - Interpreters could save and reload personal settings on any interpreter unit in the system with the password

Controls and Indicators

- Uni-directional electret condenser microphone with illuminated ring
- 7.2" TFT LCD high quality display:
 - Unit configuration information
 - Incoming/outgoing channel number and language name
 - Channel number and language name of loudspeaker output
 - Incoming language indication
 - ◆ If the monitoring language comes from the original floor channel, "FLOOR" is displayed on the corresponding language channel
 - ◆ If the monitoring language comes from the direct interpretation channel of the floor language, "+" is displayed
 - ◆ If the monitoring language comes from the indirect interpretation channel of the floor language, "-" is displayed
 - ◆ If the monitoring language comes from the indirect interpretation channel of an interpretation language, "--" is displayed
 - ◆ If the monitoring language comes from the output interpretation channel of current interpreter unit, "X" is displayed
 - ◆ Note: the indication means to remind the interpreters to avoid using the relay interpretation as often as possible if the direct interpretation is available
 - The audio stream status of the output channel: recording/monitoring by the infrared language distribution system
 - How many people are listening to the output channel
 - Short messages (administrator can send messages to all or part of interpreters, even a certain one)
 - Real-time clock displayed on the LCD of the interpreter unit to inform interpreter to stay on schedule
- 7 pre-select buttons (1/2/3/4/5/6/7) for relay languages with activation indication on the LCD
- Rotary step control for fast selection of language channels
- Home button for LCD menu activation and return
- A/B/C channel key with indicator
- Mute function prevents constrained voice being transmitted (MUTE key)
- Speak slowly function to alert the current speaker to slow down (SLOW key) (Can be disabled)
- Repeat function (REP. key) (Can be disabled)
- Interpreter unit's microphone can be turned off and A/B/C output channels can be switched by operator, when operating conference system management software
- Volume and bass/treble of the headphone adjustable
- Volume of the loudspeaker adjustable
- Floor channel ON/OFF switch
- Microphone ON/OFF switch
- Help function for requesting help from the operator (can be disabled)
- Beeps function
- Message key (✉) (Can be disabled)

- Video monitor integration: connection to third party HDMI monitors, video source selection can be made from the Interpreter Unit (VIDEO key) (Can be disabled)

Interconnections

- Socket for pluggable microphone
- 3 x Ø 3.5 mm TRRS jack for headset
- 1.5 m cable with 6P-DIN standard plug for connection with system CMU or the next Simultaneous Interpreter unit
- 0.6 m cable with 6P-DIN standard socket for loop-through interconnection

Technical Specifications

Electrical

Max. consumption.....4.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....>16 Ohm

Microphone

Transducer.....Electret-condenser

Polar pattern.....Uni-directional

Operating voltage.....5 VDC

Sensitivity.....-46 dBV/Pa

Frequency response.....50 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/180°.....> 20 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....3 x Ø 3.5 mm TRRS jack for headset

Mechanical

Mounting.....free-standing, flush-mounting or mounted on a table

Dimensions (h x w x d) (w/o stem microphone).....83 x 320 x 148 mm

Slope.....23 degrees

Weight (incl. stem microphone).....1.1 kg

Color.....Champagne (PANTONE 401 C)

Stem length.....330 mm (standard version),

240 mm, 410 mm, or 470 mm

Ordering Information

HCS-8385/60.....New Generation Fully Digital Congress System
Interpreter Unit (64 CHs, 7.2" TFT LCD,
microphone, loudspeaker)

HCS-8385HDMI Video Converter



Features

- Video input: SDI interface, supporting resolutions from 720p to 1080p
- Video output: HDMI type A connector x 2 or 4, HDMI 1.4 compliant, compatible with HDCP
- Connection to HCS-8385/60 TAIDEN new generation simultaneous interpreter unit through cable with mini 6pin DIN plug on each end

Technical Specifications

Video Input

Signal type.....SDI
Connector.....BNC
Resolutions.....720p50, 720p60
1080i50, 1080i60
1080p25, 1080p30, 1080p50, 1080p60

Video Output

Signal type.....HDMI
Connectors.....2 or 4 × female HDMI type A connector
Resolutions.....Up to 1080p60

General specs

Power supply.....9 V-12 V DC or from HCS-8385/60
Temperature.....Operating: 0 °C to + 50 °C;
storage: -20 °C to + 70 °C
Humidity.....Storage and operating: 10% to 90%
Dimensions h × w × d (mm).....40 × 150 × 100
Color.....Gray (PANTONE 425 C)
Weight.....0.4 kg

Ordering Information

HCS-8385HDMI/02.....Video Converter (2 HDMI output,
HCS-8385/60 needed)

HCS-8385HDMI/04.....Video Converter (4 HDMI output,
HCS-8385/60 needed)

EP-960AN Interpreter Headset



Features

- Incorporated with interpreter unit for monitoring and speaking
- Hi-Fi sound quality
- Interpreters can wear the headset according to their habits
- Greater headband adjustability, suitable for all the users
- 150 Ohm $\times$ 2, Ø 3.5 mm TRRS plug
- Frequency response of headphone: 20 Hz to 20 kHz
- Sensitivity of headphone: ≥ 108 dBA/1 mW
- Polar pattern of microphone: Omnidirectional
- Frequency response of microphone: 50 Hz to 20 kHz
- Sensitivity of microphone: -48 dBV/Pa
- Impedance of microphone: <680 Ohm

Ordering Information

EP-960AN.....Interpreter Headset (TRRS plug, stereo, including
a pair of EP-960HD detachable Earshells)

HCS-8385MP Mounting Plate



Features

- Used for flush-mounting of HCS-8385/60 Interpreter Unit

Technical Specifications

Mechanical

Dimensions (h x w x d).....1 x 340 x 168 mm
 Weight.....53 g
 Color.....Gray (PANTONE Cool Gray 11 C)

Ordering Information

HCS-8385MP Flush-mounting Plate (for HCS-8385/60)

HCS-8300MAD/FS/20 Congress Main Unit



Features

- Based on ingenious CongressMatrix™ technology, integrated n×8 audio matrix processor
- Integrated 8 channels group output function, easy to combine/split conference rooms
- Connectable to multi channel audio input or output devices for versatile expansion of the system
- High system reliability guaranteed by “Closed Loop - Daisy Chain” connection topology
- Adopted fully digital audio transmitting technology between the main units and congress units
- Perfect sound quality on all 64 simultaneous interpretation channels: frequency response 30 Hz to 20 kHz
- Supports Dante, an uncompressed, multi-channel digital media networking technology, with near-zero latency and synchronization
- Equipped with optical fiber interface to combine two widely separated conference rooms to form one unique coherent system
- Dual connection backup via optical fiber and Cat.5 cable between Congress Main Unit and Congress Extension Main Unit
- Connection facility for an additional condenser or dynamic microphone, expanding user's application spectrum
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- TCP/IP communication protocol in PC control
- Remote control, remote diagnosis and remote update
- Voting facilities without PC intervention
- Built-in multi-channel intercom facility
- Plug and play for all units
- Excellent immunity to RF interferences from mobile phones and comparable devices
- System power controllable by central control system

The Congress Main Unit includes features for controlling delegate microphones, distributing simultaneous interpretation and conducting voting sessions, without an operator.

In combination with a PC, the Congress Main Unit brings greater sophistication to conference control. Users are able to access an extensive range of software modules, each with a specific function in controlling and monitoring a conference, greatly expanding the capacity to manage a conference. In the event of PC failure, the Congress Main Unit will revert to its stand-alone operation mode, enabling the conference to proceed.

The Congress Main Unit also provides power supply to the Congress units (except paperless multimedia congress terminals).

Functions

- Compliant to IEC 60914
- Based on ingenious CongressMatrix™ technology, integrated n×8 audio matrix processor (n is the number of microphones connected in the system)
 - ◆ 8 discrete audio outputs, including:
 - Line 1 output: 15 band graphical EQ + 8 band parameterized EQ + DRC (dynamic range compressor)
 - Line 2 output: 5 band graphical EQ + DRC (dynamic range compressor)
 - Group output 1~6: 5 band graphical EQ + DRC (dynamic range compressor) + time delay (maximum delay time for 32 kHz sampling rate is 1.5 s, maximum delay time for 48 kHz sampling rate is 1 s)
 - ◆ Connectable to a multi channel independent PA system (up to 8 channels). Each channel is supplied with its proper audio signal. The audio signal of each microphone can be routed to any speaker at any ratio, thus “N-1” function can be realized easily: when the microphone in one area is turned on, its audio signal is only routed to all areas except to its own, avoiding acoustic feedback (howl) when audio transmission gain is increased
 - ◆ 8 channels group output function
 - ◆ Supports combining/separating meeting rooms by split/merge function
 - ◆ Recording by group function
 - ◆ Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
 - ◆ Displays audio signal spectrum to determine howling frequency which can be suppressed by adjusting EQ parameters
 - ◆ 2 audio line in (analog, digital, Dante) or 1 audio line in (analog, Dante) + 1 microphone input, gain and EQ for each input adjustable separately. +24 V phantom power supply at microphone input, condenser microphone can be connected directly
 - ◆ Connectable to multi channel audio input or output devices for versatile expansion of the system

- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units
- Embedded high performance DSP for audio signal processing, supporting 48 kHz and 32 kHz audio sampling rate. All 64 channels feature perfect sound quality with a frequency response of 30 Hz to 20 kHz
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technology
- Adopted fully digital audio transmitting technology between the main units and congress units
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Set any delegate unit to be VIP unit, VIP unit can be activated as long as the total of active microphones is not beyond 6
- Built-in multi-channel intercom facility
- Connection facility for additional condenser or dynamic microphones, expanding user’s application spectrum (HCS-8300MI series audio input interface required)
- If additional contribution units are connected for system expansion, additional Congress Extension Main Units HCS-8300ME or HCS-8300ME/FS are required:
 - ◆ 4096 discussion or voting units
 - ◆ 378 interpreter units (with maximum 63 booths, each booth with maximum 6 interpreter units)
 - ◆ Any quantity of channel selectors
- With the 8 channel digital/analog audio output device (several units cascable), multi-channel digital/analog audio signals are available as output signals for infrared language distribution system or recording
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Implemented features in stand-alone mode:
 - ◆ Set the number (1/2/3/4) of delegates permitted to speak at the same time
 - ◆ Set-up of speaking time limitation (1~240 minutes)
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time can be adjusted continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate can speak only when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
 - ◆ Parliamentary voting (YES/NO/ABSTAIN)
 - ◆ 64 (1+63) channels simultaneous interpretation function. Cooperates with channel selector or infrared language distribution system enabling a larger audience to follow the conference
- In combination with the corresponding software modules, more functions can be implemented:
 - ◆ Centralized microphone management
 - ◆ Multiform voting:
 - For/Against
 - Parliamentary: YES/NO/ABSTAIN
 - Questionnaire: 1/2/3/4/5
 - Audience response: --/0/+/++
 - Parliamentary (NPPV): Yes/No/ABSTAIN/NPPV
 - Appraisal:
 - ◇ Satisfied (four keys voting: perfectly satisfied/satisfied/basically satisfied/unsatisfied) (three keys voting: satisfied/basically satisfied/unsatisfied) (two keys voting: satisfied/unsatisfied)
 - ◇ Qualified (four/three/two keys voting)
 - ◇ Competent (four/three/two keys voting)
 - ◆ Several sign-in modes: entrance sign-in/seat sign-in
 - ◆ Depending on the purchased HCS-8300 software modules, user gains access to additional conference control & management functions
- Advanced TCP/IP communication protocol in PC controlled mode, easy to carry out remote control, remote diagnosis and remote update
- Supports Dante, an uncompressed, multi-channel digital media networking technology, with near-zero latency and synchronization
- Dual connection backup between Congress Main Unit and Congress Extension Main Unit via optical fiber and Cat.5 cable
- Hot spare dual server structure: another Congress Main Unit is set up as backup Congress Main Unit and connected to the system and takes over automatically if the main Congress Main Unit fails
- Multi-room configuration: Congress Main Unit(s) can be used as Congress Extension Main Unit(s) to carry out multi-room configuration flexibly. Multiple Congress Main Unit configuration allows all connected multiple rooms to be operated either as one unique system or as independent systems
- Integrated real-time clock displays time on the LCD of the interpreter unit to inform interpreter to stay on schedule
- Fully compatible with TAIDEN HCS-4100/50 Fully Digital Congress System: HCS-4100/50 series Congress Units can be connected to the HCS-8300 system (exclusive functions only available with HCS-8300 series contribution units)
- Built-in unit detection facilities: detect the unit’s microphone, speaker, LEDs and voting keys prior to start of the meeting
- Automatic recovery facility, supporting “PnP” (plug and play)
- If the PC is broken down, Congress Main Unit enters the stand-alone state automatically, carrying out basic conference control, ensuring the consistency of the conference
- System power controllable by central control system

Controls and Indicators

- Graphic LCD with back-lighting displays status and menu of the system configuration, supporting multi-language menu
- Four buttons for configuration
- Power switch
- Standby switch with indicator
- Operation mode indicators
- LINE IN electric level adjust knob
- Congress Unit floor audio channel master volume adjust knob

Interconnections

- Multiple audio in/out interfaces:
 - ◆ One balanced XLR-F for microphone input or audio LINE IN
 - ◆ Two symmetrical RCA input interfaces for audio LINE IN
 - ◆ One balanced XLR-M for audio LINE OUT
 - ◆ Two symmetrical RCA output interfaces for audio LINE OUT
 - ◆ 6 channels group output on 3-pin 3.81 mm Phoenix connectors
 - ◆ One headphone output socket (Ø 3.5 mm) for monitoring channel languages
- 2 × RS232 port for connection to central control system and system diagnosis each
- AES/EBU digital input/output
- Duplex SC single-mode optical fiber interface to combine two widely separated conference rooms and to operate as one unique coherent system
- Dante interface to connect to peripheral digital devices without losing any sound quality
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)
- 1 × RJ45 standard socket (output) for connection with a Congress Extension Main Unit (EXTENSION)
- 2 × outlet (6P-DIN) trunk-line cable outlet
- Video switcher interface
- Emergency signal interface: for connection to public emergency system. Pauses the conference automatically if the system is switched on and sends alarm signals to Congress Units
- Mixer interface: for connection to HCS-8301MD Digital Audio Mixer for Conference
- 2 × USB interface at front panel to upgrade system and to save system parameters.

Max. audio inputs

LINE IN 1.....+10 dBu, BAL.
 LINE IN 2.....+10 dBu, UNBAL.
 AES/EBU IN.....1 FFS

Max. audio outputs

LINE OUT 1.....+20 dBu, BAL.
 LINE OUT 2.....+20 dBu, UNBAL.
 GROUP OUT (1...6).....+20 dBu, BAL.
 AES/EBU OUT.....1 FFS

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
 Dimensions (h × w × d)
 For table use, with feet.....99 × 430 × 325 mm
 For 19" rack use, with brackets.....89 × 478 × 350 mm
 Weight.....7.8 kg
 Color.....White (PANTONE 420 C)

Ordering Information

HCS-8300MAD/FS/20.....Fully Digital Congress System Main Unit
 (discussion, voting, 64 CHs,
 single-mode optical fiber interface,
 AES/EBU digital input/output, Dante
 interface, Mixer interface, Mic. group
 output)

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz
 SNR.....>96 dBA
 Dynamic range.....>94 dB
 Isolation.....>85 dB
 THD.....<0.05%
 Power supply.....AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz
 Power consumption.....200 W
 Total supply power.....120 W
 RS232 connection.....2 × 9-pole Sub-D female socket

HCS-8300MB/20 Congress Main Unit



Features

- Based on ingenious CongressMatrix™ technology, integrated n×8 audio matrix processor
- Integrated 8 channels group output function, easy to combine/split conference rooms
- Connectable to multi channel audio input or output devices for versatile expansion of the system
- High system reliability guaranteed by “Closed Loop - Daisy Chain” connection topology
- Adopted fully digital audio transmitting technology between the main units and congress units
- Perfect sound quality on all 64 simultaneous interpretation channels: frequency response 30 Hz to 20 kHz
- Dual connection backup via optical fiber and Cat.5 cable between Congress Main Unit and Congress Extension Main Unit
- Connection facility for an additional condenser or dynamic microphone, expanding user's application spectrum
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- TCP/IP communication protocol in PC control
- Remote control, remote diagnosis and remote update
- Voting facilities without PC intervention
- Built-in multi-channel intercom facility
- Plug and play for all units
- Excellent immunity to RF interferences from mobile phones and comparable devices
- System power controllable by central control system

The Conference Main Unit includes features for controlling delegate microphones, distributing simultaneous interpretation and conducting voting sessions, without an operator.

In combination with a PC, the Congress Main Unit brings greater sophistication to conference control. Users are able to access an extensive range of software modules, each with a specific function in controlling and monitoring a conference, greatly expanding the capacity to manage a conference. In the event of PC failure, the Congress Main Unit will revert to its stand-alone operation mode, enabling the conference to proceed.

The Congress Main Unit also provides power supply to the Congress units (except paperless multimedia congress terminals).

Functions

- Compliant to IEC 60914
- Based on ingenious CongressMatrix™ technology, integrated n×8 audio matrix processor (n is the number of microphones connected in the system)
 - ♦ 8 discrete audio outputs, including:
 - Line 1 output: 15 band graphical EQ + 8 band parameterized EQ + DRC (dynamic range compressor)
 - Line 2 output: 5 band graphical EQ + DRC (dynamic range compressor)
 - Group output 1~6: 5 band graphical EQ + DRC (dynamic range compressor) + time delay (Maximum delay time for 32 kHz sampling rate is 1.5 s, maximum delay time for 48 kHz sampling rate is 1 s.)
 - ♦ Connectable to a multi channel independent PA system (up to 8 channels). Each channel is supplied with its proper audio signal. The audio signal of each microphone can be routed to any speaker at any ratio, thus “N-1” function can be realized easily: when the microphone in one area is turned on, its audio signal is only routed to all areas except to its own, avoiding acoustic feedback (howl) when audio transmission gain is increased
 - ♦ 8 channels group output function
 - ♦ Supports combining/separating meeting rooms by split/merge function
 - ♦ Recording by group function
 - ♦ Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
 - ♦ Displays audio signal spectrum to determine howling frequency which can be suppressed by adjusting EQ parameters
 - ♦ 2 audio line in or 1 audio line in + 1 microphone input, gain and EQ for each input adjustable separately. +24 V phantom power supply at microphone input, condenser microphone can be connected directly
 - ♦ Connectable to multi channel audio input or output devices for versatile expansion of the system
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units
- Embedded high performance DSP for audio signal processing, supporting 48 kHz and 32 kHz audio sampling rate. All 64 channels feature perfect sound quality with a frequency response of 30 Hz to 20 kHz
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technology
- Adopted fully digital audio transmitting technology between the main units and congress units
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Set any delegate unit to be VIP unit, VIP unit can be activated as long as the total of active microphones is not beyond 6
- Built-in multi-channel intercom facility

- Connection facility for additional condenser or dynamic microphones, expanding user's application spectrum (HCS-8300MI series audio input interface required)
- If additional contribution units are connected for system expansion, additional Congress Extension Main Units HCS-8300ME or HCS-8300ME/FS are required:
 - ◆ 4096 discussion or voting units
 - ◆ 378 interpreter units (with maximum 63 booths, each booth with maximum 6 interpreter units)
 - ◆ Any quantity of channel selectors
- With the 8 channel digital/analog audio output device (several units cascable), multi-channel digital/analog audio signals are available as output signals for infrared language distribution system or recording
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Implemented features in stand-alone mode:
 - ◆ Set the number (1/2/3/4) of delegates permitted to speak at the same time
 - ◆ Set-up of speaking time limitation (1~240 minutes)
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time can be adjusted continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate can speak only when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Parliamentary voting (YES/NO/ABSTAIN)
 - ◆ 64 (1+63) channels simultaneous interpretation function. Cooperates with channel selector or infrared language distribution system enabling a larger audience to follow the conference
- In combination with the corresponding software modules, more functions can be implemented:
 - ◆ Centralized microphone management
 - ◆ Multiform voting:
 - For/Against
 - Parliamentary: YES/NO/ABSTAIN
 - Questionnaire: 1/2/3/4/5
 - Audience response: --/-/0/+/>
 - Parliamentary (NPPV): Yes/No/ABSTAIN/NPPV
 - Appraisal:
 - ◇ Satisfied (four keys voting: perfectly satisfied/satisfied/basically satisfied/unsatisfied) (three keys voting: satisfied/basically satisfied/unsatisfied) (two keys voting: satisfied/unsatisfied)
 - ◇ Qualified (four/three/two keys voting)
 - ◇ Competent (four/three/two keys voting)
 - ◆ Several sign-in modes: entrance sign-in/seat sign-in
 - ◆ Depending on the purchased HCS-8300 software modules, user gains access to additional conference control & management functions

- Advanced TCP/IP communication protocol in PC controlled mode, easy to carry out remote control, remote diagnosis and remote update
- Dual connection backup between Congress Main Unit and Congress Extension Main Unit via optical fiber and Cat.5 cable
- Hot spare dual server structure: another Congress Main Unit is set up as backup Congress Main Unit and connected to the system and takes over automatically if the main Congress Main Unit fails
- Multi-room configuration: Congress Main Unit(s) can be used as Congress Extension Main Unit(s) to carry out multi-room configuration flexibly. Multiple Congress Main Unit configuration allows all connected multiple rooms to be operated either as one unique system or as independent systems
- Integrated real-time clock displays time on the LCD of the interpreter unit to inform interpreter to stay on schedule
- Fully compatible with TAIDEN HCS-4100/50 Fully Digital Congress System: HCS-4100/50 series Congress Units can be connected to the HCS-8300 system (exclusive functions only available with HCS-8300 series contribution units)
- Built-in unit detection facilities: detect the unit's microphone, speaker, LEDs and voting keys prior to start of the meeting
- Automatic recovery facility, supporting "PnP" (plug and play)
- If the PC is broken down, Congress Main Unit enters the stand-alone state automatically, carrying out basic conference control, ensuring the consistency of the conference
- System power controllable by central control system

Controls and Indicators

- Graphic LCD with back-lighting displays status and menu of the system configuration, supporting multi-language menu
- Four buttons for configuration
- Power switch
- Standby switch with indicator
- Operation mode indicators
- LINE IN electric level adjust knob
- Congress Unit floor audio channel master volume adjust knob

Interconnections

- Multiple audio in/out interfaces:
 - ◆ One balanced XLR-F for microphone input or audio LINE IN
 - ◆ Two symmetrical RCA input interfaces for audio LINE IN
 - ◆ One balanced XLR-M for audio LINE OUT
 - ◆ Two symmetrical RCA output interfaces for audio LINE OUT
 - ◆ 6 channels group output on 3-pin 3.81 mm Phoenix connectors
 - ◆ One headphone output socket (Ø 3.5 mm) for monitoring channel languages
- 2 × RS232 port for connection to central control system and system diagnosis each
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)

- 1 × RJ45 standard socket (output) for connection with a Congress Extension Main Unit (EXTENSION)
- 2 × outlet (6P-DIN) trunk-line cable outlet
- Video switcher interface
- Emergency signal interface: for connection to public emergency system. Pauses the conference automatically if the system is switched on and sends alarm signals to Congress Units
- 2 × USB interface at front panel to upgrade system and to save system parameters.

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz
 SNR.....>96 dBA
 Dynamic range.....>94 dB
 Isolation.....>85 dB
 THD.....<0.05%
 Power supply.....AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz
 Power consumption.....200 W
 Total supply power.....120 W
 RS232 connection.....2 × 9-pole Sub-D female socket

Max. audio inputs

LINE IN 1.....+10 dBu, BAL.
 LINE IN 2.....+10 dBu, UNBAL.

Max. audio outputs

LINE OUT 1.....+20 dBu, BAL.
 LINE OUT 2.....+20 dBu, UNBAL.
 GROUP OUT (1...6).....+20 dBu, BAL.

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
 Dimensions (h × w × d)
 For table use, with feet.....99 × 430 × 325 mm
 For 19" rack use, with brackets.....89 × 478 × 350 mm
 Weight.....7.8 kg
 Color.....White (PANTONE 420 C)

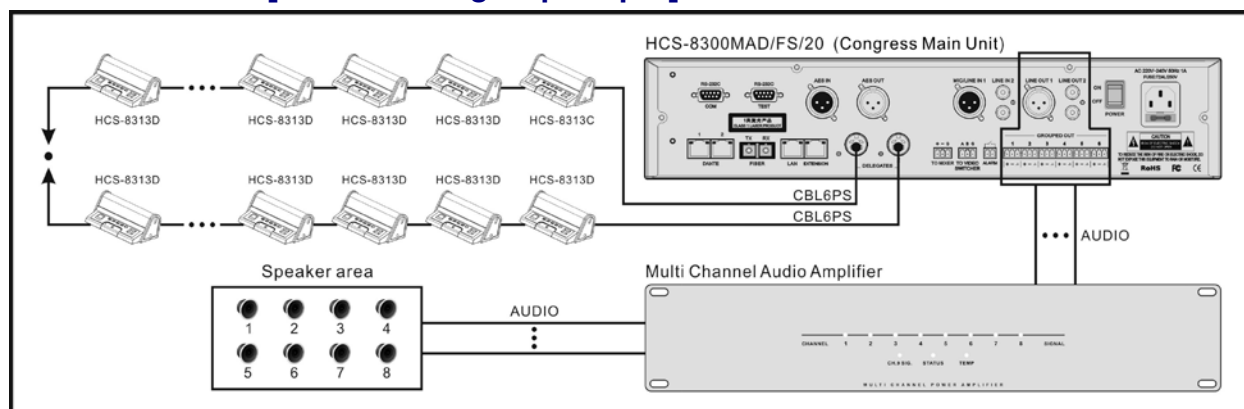
Ordering Information

HCS-8300MB/20...Fully Digital Congress System Main Unit
 (discussion, voting, 64 CHs, Mic. group output)

HCS-8300 and HCS-4100/50 Series Congress Main Units Function list

Type No.	Speech	Voting	Graphic LCD	64CHs SI	Mic. group output	Optical fiber interface	Dante interface	Mixer interface	AES/EBU interface
HCS-8300MAD/FS/20	√	√	√	√	√	√	√	√	√
HCS-8300MB/20	√	√	√	√	√				
HCS-4100MA/FS/50	√	√	√	√		√			
HCS-4100MB/50	√	√	√	√					
HCS-4100MC/50	√	√	√						

System Connection [discussion+ group output]



HCS-8300ME/FS Congress Extension Main Unit



The maximum capacity of HCS-8300M series CMU is 60 contribution units. If extra contribution units are needed, HCS-8300ME/FS or HCS-8300ME Congress Extension Main Unit(s) must be added. The outlet connectors of both are identical. Each HCS-8300ME/FS or HCS-8300ME has two EXTENSION IN interfaces used to connect HCS-8300M series CMU or a preceding Congress Extension Main Unit, and an EXTENSION OUT interface for the next Congress Extension Main Unit.

Functions

- Compliant to IEC 60914 and CE
- Cooperates with HCS-8300M or HCS-4100M/50 series Congress Main Unit for system capacity extension
- Based on TAIDEN company originated MCA-STREAM digital audio processing and transmitting technology
- Sync power on/off with the Congress Main Unit
- In cooperation with the Congress Main Unit and a central control system, central control of the whole system power can be realized

Interconnections

- 4 × (6P-DIN) trunk-line cable outlet
- 2 × RJ45 standard socket (input) for connection with the Congress Main Unit or with a preceding Congress Extension Main Unit
- 1 × RJ45 standard socket (output) for connection with the next Congress Extension Main Unit
- Equipped with two duplex SC single-mode optical fiber interfaces

Technical Specifications

Electrical

Power supply.....AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz
Power consumption.....450 W

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
Dimensions (h × w × d)
For table use, with feet.....99 × 430 × 325 mm
For 19" rack use, with brackets.....89 × 478 × 350 mm
Weight.....10.0 kg
Color.....White (PANTONE 420 C)

Ordering Information

HCS-8300ME/FS.....Fully Digital Congress System Extension Main Unit (with 2 single-mode optical fiber interfaces, 4 congress unit outlets)

HCS-8300ME Congress Extension Main Unit



The maximum capacity of HCS-8300M series CMU is 60 contribution units. If extra contribution units are needed, HCS-8300ME/FS or HCS-8300ME Congress Extension Main Unit(s) must be added. The outlet connectors of both are identical. Each HCS-8300ME/FS or HCS-8300ME has two EXTENSION IN interfaces used to connect HCS-8300M series CMU or a preceding Congress Extension Main Unit, and an EXTENSION OUT interface for the next Congress Extension Main Unit.

Functions

- Based on TAIDEN company originated MCA-STREAM digital audio processing and transmitting technology
- Compliant to IEC 60914 and CE
- Cooperates with HCS-8300M or HCS-4100M/50 series Congress Main Unit for system capacity extension
- Sync power on/off with the Congress Main Unit
- In cooperation with the Congress Main Unit and a central control system, central control of the whole system power can be realized

Interconnections

- 4 × 6P-DIN trunk-line cable outlet
- 2 × RJ45 standard socket (input) for connection with the Congress Main Unit or with a preceding Congress Extension Main Unit
- 1 × RJ45 standard socket (output) for connection with the next Congress Extension Main Unit

Technical Specifications

Electrical

Power supply.....AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz
Power consumption.....450 W

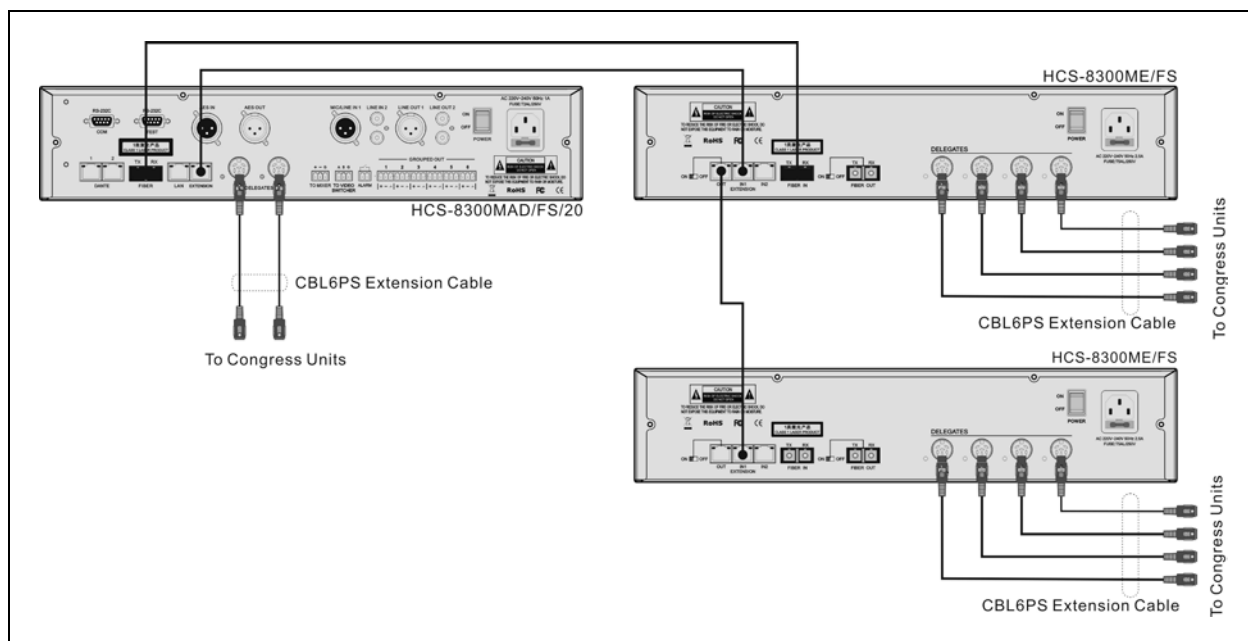
Mechanical

Mounting.....Tabletop or mounted in a 19" rack
Dimensions (h × w × d)
For table use, with feet.....99 × 430 × 325 mm
For 19" rack use, with brackets.....89 × 478 × 350 mm
Weight.....10.0 kg
Color.....White (PANTONE 420 C)

Ordering Information

HCS-8300ME...Fully Digital Congress System Extension Main Unit
(4 congress unit outlets)

System Connection



Low power consumption design

All congress units of HCS-8300 and HCS-4100/50 series (except paperless multimedia congress terminals) are supplied by the main unit's 6P-DIN interface. Since the power capacity of the 6P-DIN interface is limited, it must be ensured during installation that the added up values of a) the total power consumption of all congress units connected in each path and b) the power loss in connection cables do in no case exceed the maximum possible value delivered by each 6P-DIN interface. Otherwise the system will not work properly or automatic protection will be triggered. Refer to the table 1 for the max. connection number of congress units.

Note:

- The total added up cable length from the main unit to the furthest congress unit shall not exceed 250 m.
- Any connection cable length should be less than 80 meters (incl. the cable between the main unit and the next congress unit and the cable between any two sequential congress units), otherwise it will affect the signal quality. In case the length exceeds 80 m, cable splitter HCS-4352T/50 is needed; and the length of an individual extension cable following HCS-4352T/50 must not exceed 70 meters.
- The extension cable between the main unit and the first congress unit is always carrying the maximum current, induced by the totality of the congress units connected to the dedicated socket. Due to Ohm's law the available supply voltage at the opposite end of this cable is lower than on the socket. This voltage drop is dependent on the cable length and the current. The number of overall connectable congress units to the main unit is therefore a function of the cable length and vice versa. However, when the cable is connected between the last two congress units, the influence is insignificant.

Table 1 Quick lookup table for the max. number of connected congress units

Type	Type No.	The extension cable length between the CMU(EMU) and the first Congress Unit connected to the socket					
		20 m	40 m	60 m	80 m	80 m + HCS-4352T/50 +70 m	80 m + HCS-4352T/50 + 70 m + HCS-4352T/50 + 70 m
Equipped with E-ink Nameplate, speaker and microphone	HCS-48U7/U8/U9/U10 /4886N+HCS-1080	11	10	9	8	5	-
Equipped with 256×64 LCD, speaker and microphone	HCS-4385U/50	14	12	11	9	6	4
Equipped with 7.2" LCD, speaker and microphone	HCS-8385/60	8	8	7	7	5	4
	2 HCS-8385/60 + HCS-8385HDMI	3	3	2	2	1	-
	3 HCS-8385/60 + HCS-8385HDMI	2	2	1	1	-	-
	4 HCS-8385/60 + HCS-8385HDMI	2	2	1	1	-	-
Equipped with 256×32 LCD, speaker and microphone	HCS-4886 HCS-4887 HCS-48U7 HCS-48U8 HCS-48U9	16	13	12	11	8	5
Equipped with OLED and microphone	HCS-48U10 HCS-48U6	22	19	17	15	9	6
	HCS-4338N/50 HCS-4860/50 HCS-4865/50 HCS-4866/50						
Equipped with speaker and microphone, without 256×32 LCD	HCS-4888 HCS-4330/50 HCS-4332/50 HCS-4326/50						
Equipped with 256×32 LCD, without speaker nor microphone	HCS-4368/50	30	26	24	22	15	10
Equipped with microphone, without 256×32 LCD nor speaker	HCS-8313 HCS-8314 HCS-8315 HCS-4325/50 HCS-4326/50	30	27	24	22	17	12
Only equipped with retractable microphone array	HCS-4851/50	14	13	13	12	7	4
	Number of sync retractable microphone array: 6						
Without 256×32 LCD, speaker nor microphone	HCS-4368SDT/50	30	29	26	24	19	14
Equipped with 10" LCD	HCS-8335 HCS-8336	6	6	5	4	-	-
	HCS-8335-NP	5	5	4	3	-	-
	HCS-8335-NP	5	5	4	3	-	-
HCS-4340/50 series Multi-function connector	HCS-4340A/50 HCS-4340DT/50	10	9	9	9	7	6
	HCS-4340B/50	9	8	8	8	6	5
	HCS-4340UN/52	11	10	9	8	5	-
	HCS-4340U/50	16	13	12	11	8	5
E-ink Nameplate	HCS-1080	30	26	22	21	-	-
		Note: the connection number of HCS-1080T is no more than 15 for each 6P-DIN interface.					

HCS-8300MES Congress Extension Unit



Functions

- Based on TAIDEN company originated MCA-STREAM digital audio processing and transmitting technology
- Compliant to IEC 60914 and CE
- Cooperates with HCS-8300M or HCS-4100M/50 series Congress Main Unit for system capacity extension
- Sync power on/off with the Congress Main Unit
- In cooperation with the Congress Main Unit and a central control system, central control of the whole system power can be realized

Interconnections

- 3 × 6P-DIN trunk-line cable outlet, connection cable length should be less than 80 meters
- 1 × 6P-DIN socket (input) for connection with the Congress Main Unit or with a preceding Congress Extension Main Unit, connection cable length should be less than 80 meters
- 1 × 6P-DIN socket (output) for connection with the next HCS-8300MES, connection cable length should be less than 80 meters

Technical Specifications

Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....150 W

Mechanical

Dimensions (h × w × d).....42 × 296 × 133 mm
Weight.....1.5 kg
Color.....Black (PANTONE 419 C)

Ordering Information

HCS-8300MES.....Fully Digital Congress System Extension Unit
(3 congress unit outlets)

HCS-8300MCLS Loop switcher and Cabinet installation accessory



Functions

- For "Closed Loop - Daisy Chain" connection
- Open light on (Red): loop switcher is open
- Close light on (Green): loop switcher is closed
- Please set main unit menu "Close Loop Setting - - Close Loop Allowed" as "No"
- After the loop switcher is used, the number of CMU/EMU loads is halved
- Mounting bracket (mounted in a 19" rack) can be chosen

Interconnections

- 1.5 m cable with 6P-DIN plug to connect to the CMU or the EMU
- 0.6 m cable with 6P-DIN socket to connect to the congress unit

Technical Specifications

Mechanical

Dimensions (h × w × d).....68 × 100 × 40 mm
Weight.....347 g
Color.....Black (PANTONE 419 C)

Ordering Information

HCS-8300MCLS.....Loop switcher
HCS-8300MCLS Cabinet installation accessory
.....4 HCS-8300MCLS Loop switchers can be installed

Table 2 Quick lookup table of HCS-8300MES load capability

Type	Type No.	The extension cable length between the HCS-8300MES and the first Congress Unit connected to the socket			
		20 m	40 m	60 m	80 m
Equipped with E-ink Nameplate, speaker and microphone	HCS-48U7/U8/U9/U10/ 4886N+HCS-1080	8	7	6	5
Equipped with 256×64 LCD, speaker and microphone	HCS-4385U/50	10	9	8	7
Equipped with 7.2" LCD, speaker and microphone	HCS-8385/60	7	7	6	6
	2 HCS-8385/60 + HCS-8385HDMI	3	3	2	2
	3 HCS-8385/60 + HCS-8385HDMI	2	2	1	1
	4 HCS-8385/60 + HCS-8385HDMI	2	2	1	1
Equipped with 256×32 LCD, speaker and microphone	HCS-4886 HCS-4887 HCS-48U7 HCS-48U8 HCS-48U9	12	11	10	9
Equipped with OLED and microphone	HCS-48U10 HCS-48U6	18	16	14	12
	HCS-4338N/50 HCS-4860/50 HCS-4865/50 HCS-4866/50				
Equipped with speaker and microphone, without 256×32 LCD	HCS-4888 HCS-4330/50 HCS-4332/50 HCS-4326/50				
Equipped with 256×32 LCD, without speaker nor microphone	HCS-4368/50	24	22	20	18
Equipped with microphone, without 256×32 LCD nor speaker	HCS-8313 HCS-8314 HCS-8315 HCS-4325/50 HCS-4326/50				
Without 256×32 LCD, speaker nor microphone	HCS-4368SDT/50				
Equipped with 10" LCD	HCS-8335 HCS-8336	5	5	4	3
	HCS-8335-NP	4	4	3	2
HCS-4340/50 series Multi-function connector	HCS-4340A/50 HCS-4340DT/50	9	8	8	8
	HCS-4340B/50	8	7	7	7
	HCS-4340UN/52	8	7	6	5
	HCS-4340U/50	12	11	10	9
E-ink Nameplate	HCS-1080	21	20	20	19
		Note: the connection number of HCS-1080T is no more than 15 for each 6P-DIN interface.			

HCS-8300KMX2 Congress Gigabit Network Switcher



Functions

- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology
- Sync power on/off with the Congress Main Unit
- Built-in PoE switch to choose way of power supply:
 - ON: connecting DELEGATE port to tabletop congress terminals or the Distributor HCS-8368T/50 for power supply and transmission of control data and multimedia data
 - OFF: DELEGATE port supporting daisy-chain connection to HCS-8368/50 Series Paperless Multimedia Congress Terminal with power supply via 3 2P aviation plugs

Interconnections

- 1 × RJ45 standard port for connection with Ethernet switcher
- 5 × RJ45 standard port for connection with HCS-8368/50 Series Paperless Multimedia Congress Terminal (via Cat.5e/Cat.6 cable)
- 2 × 6P-DIN interface for connection with the Congress Main Unit or cascading to another HCS-8300KMX2 (equipped with CBL6PP-01 - 1-meter 6-pin extension cable with two plugs)
- 3 × 2P aviation plug for supplying power to HCS-8368/50 series Multimedia Congress Terminal (equipped with CBL4PK-01 - 1-meter power adapter cable)

Technical Specifications

Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz
 Power output.....Four power outputs, each output 48V DC, 3A
 Power consumption.....350 W

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
 Dimensions (h x w x d).....43 × 483 × 208 mm
 (1U high, full rack width)
 Weight.....3.6 kg
 Color.....Gray (PANTONE 425 C)

Ordering Information

HCS-8300KMX2.....Congress Gigabit Network Switcher
 (for G3 multimedia congress terminal)

HCS-8368T/50 Distributor



Functions

- Extension of HCS-8368/50 series tabletop congress terminal in PoE mode

Interconnections

- 1 × RJ45 standard port for connection with HCS-8300KMX2
- 7 × RJ45 standard port for connection with HCS-8368/50 tabletop congress terminal on each port
- DC power socket (2P aviation socket) for external power supply to guarantee a stable signal transmission
- If five or more output ports are used, please connect to external power adapter

Technical Specifications

Electrical

Power supply.....DC 48 V, 2 A
 Power consumption.....90 W

Mechanical

Mounting.....Tabletop
 Dimensions (h x w x d).....41 × 168 × 103 mm
 Color.....Black (PANTONE 419 C)
 Weight.....0.4 kg

Ordering Information

HCS-8368T/50.....Distributor
 (for G3 tabletop multimedia congress terminal)

HCS-8300KMx Congress Gigabit Network Switcher



Functions

- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, supports daisy-chain connection to HCS-8338 and HCS-8348 Series Paperless Multimedia Congress Terminal; the quantity of Congress Terminals connected to each port is unlimited
- Sync power on/off with the Congress Main Unit

Interconnections

- 8 × RJ45 standard port for connection with Congress Main Unit, HCS-8338 and HCS-8348 Series Paperless Multimedia Congress Terminal, external Ethernet switchers, etc. (via Cat.5e/Cat.6 cable)
- 1 × 6P-DIN interface for power supply from the Congress Main Unit, and equipped with CBL6PP-01 - 1-meter 6-pin extension cable with two plugs
- 2 × 2P aviation plug for getting power supply from power supply unit HCS-8300PM and HCS-8300PM2 (equipped with CBL2SS-01 - 1-meter 2-pin cable with two sockets) or supply power to HCS-8338 and HCS-8348 series Multimedia Congress Terminal (equipped with CBL4PK-01 - 1-meter power adapter cable)

Technical Specifications

Electrical

Power supply.....DC 24 V - 33 V
Power consumption.....10 W

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
Dimensions h × w × d.....43 × 483 × 208 mm
(1U high, full rack width)
Weight.....2.3 kg
Color.....Gray (PANTONE 425 C)

Ordering Information

HCS-8300KMx.....Congress Gigabit Network Switcher

HCS-8300MX Congress Room Combiner



Functions

- Perfect solution for selectively combining or separating meeting rooms
- Flexibly and discretionary - according to situational conditions
- Up to 8 Congress Main Units per HCS-8300MX unit
- Cascadable to merge up to 14 meeting rooms

Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays configuration of RJ45 standard sockets, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator

Interconnections

- 8 × RJ45 standard socket for connection with Congress Main Unit via Cat.5 cable
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance

Technical Specifications

Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....15 W

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
Dimensions (h × w × d)
For table use, with feet.....99 × 430 × 325 mm
For 19" rack use, with brackets.....89 × 478 × 350 mm
Weight.....5.2 kg
Color.....White (PANTONE 420 C)

Ordering Information

HCS-8300MX.....Congress Room Combiner

HCS-8300MX/FS Booth Combiner



Functions

- Perfect solution for selectively combining or separating booths
- Cooperates with HCS-8302MX/FS for sharing booths and merging/splitting rooms
- Flexibly and discretionary - according to situational conditions, no need to change wiring if cabling has been already planned ahead and carried out for later sharing/merging/splitting
- Up to 8 booths can be merged and split
- Five work modes: Master, Slave, Tenant, Landlord, Idle
- Equipped with duplex SC single-mode optical fiber interface

Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays configuration, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator

Interconnections

- 1 × 6P-DIN interface for connection with Congress Main Unit
- 8 × 6P-DIN interface for connection with Interpreter Units of booths
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- Equipped with duplex SC single-mode optical fiber interface, for connection with HCS-8302MX/FS
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)

Technical Specifications

Electrical

Power supply.....AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz
Power consumption.....200 W

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
Dimensions (h x w x d)
For table use, with feet.....99 × 430 × 325 mm
For 19" rack use, with brackets.....89 × 478 × 350 mm
Weight.....7.4 kg
Color.....White (PANTONE 420 C)

Ordering Information

HCS-8300MX/FS.....Booth Combiner (single-mode optical fiber interface)

HCS-8302MX/FS/06 General Controller for Booth Combiners



Functions

- Perfect solution for selectively combining or separating rooms to realize interpretation center
- Flexibly and discretionary - according to situational conditions, no need to change wiring
- Cooperating with HCS-8300MX/FS, at most 6 rooms can be merged and their booths can be shared
- Equipped with 6 duplex SC single-mode optical fiber interfaces

Controls and Indicators

- Graphic LCD with back-lighting displays configuration of fiber interfaces, supporting multi-language menu
- 9 buttons for configuration
- "POWER" indicator, "ACTIVE" indicator and "NETWORK" indicator
- 6 fiber interface status buttons

Interconnections

- 1 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- 6 × fiber interface for connection with HCS-8300MX/FS
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)

Technical Specifications

Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....125 W

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
Dimensions h × w × d (mm).....132 × 478 × 310
(3U high, full rack width)
Weight.....5.2 kg
Color.....Gray (PANTONE 425 C)

Ordering Information

HCS-8302MX/FS/06.....General Controller for Booth Combiners
(6 CHs, single-mode optical fiber interface)

HCS-8302MX/FS/12 General Controller for Booth Combiners



Functions

- Perfect solution for selectively combining or separating rooms to realize interpretation center
- Flexibly and discretionary - according to situational conditions, no need to change wiring
- Cooperating with HCS-8300MX/FS, at most 12 rooms can be merged and their booths can be shared
- Equipped with 12 duplex SC single-mode optical fiber interfaces

Controls and Indicators

- Graphic LCD with back-lighting displays configuration of fiber interfaces, supporting multi-language menu
- 9 buttons for configuration
- "POWER" indicator, "ACTIVE" indicator and "NETWORK" indicator
- 12 fiber interface status buttons

Interconnections

- 1 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- 12 × fiber interface for connection with HCS-8300MX/FS
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)

Technical Specifications

Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....125 W

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
Dimensions h × w × d (mm).....132 × 478 × 310
(3U high, full rack width)
Weight.....5.2 kg
Color.....Gray (PANTONE 425 C)

Ordering Information

HCS-8302MX/FS/12.....General Controller for Booth Combiners
(12 CHs, single-mode optical fiber interface)

HCS-8302MX/FS/24

General Controller for Booth Combiners



Functions

- Perfect solution for selectively combining or separating rooms to realize interpretation center
- Flexibly and discretionary - according to situational conditions, no need to change wiring
- Cooperating with HCS-8300MX/FS, at most 24 rooms can be merged and their booths can be shared
- Equipped with 24 duplex SC single-mode optical fiber interfaces

Controls and Indicators

- Graphic LCD with back-lighting displays configuration of fiber interfaces, supporting multi-language menu
- 9 buttons for configuration
- "POWER" indicator, "ACTIVE" indicator and "NETWORK" indicator
- 24 fiber interface status buttons

Interconnections

- 1 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- 24 × fiber interface for connection with HCS-8300MX/FS
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)

Technical Specifications

Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....125 W

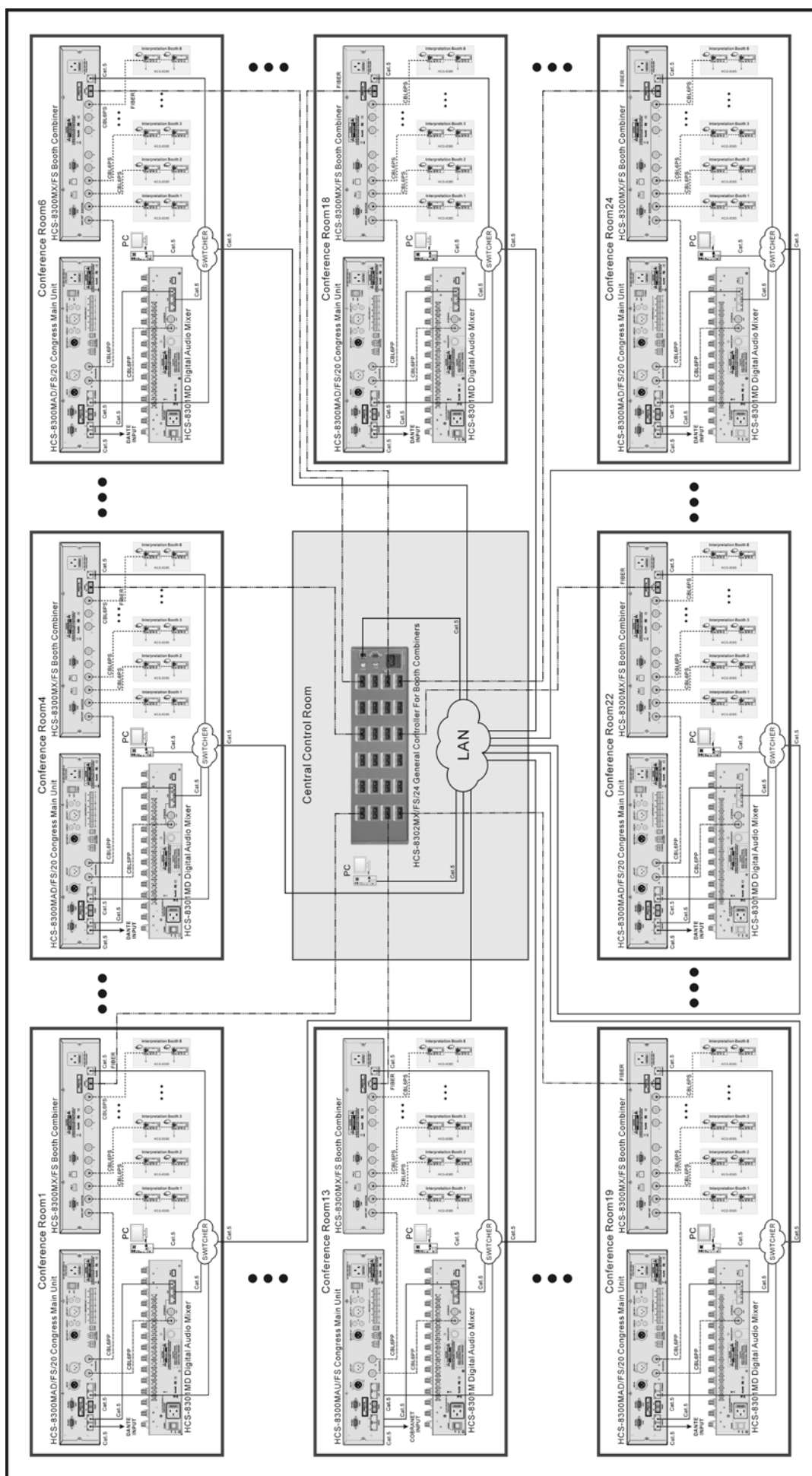
Mechanical

Mounting.....Tabletop or mounted in a 19" rack
Dimensions h × w × d (mm).....132 × 478 × 310
(3U high, full rack width)
Weight.....5.2 kg
Color.....Gray (PANTONE 425 C)

Ordering Information

HCS-8302MX/FS/24.....General Controller for Booth Combiners
(24 CHs, single-mode optical fiber interface)

Booth Combination & Share System



HCS-8300PM Power Supply Unit



Functions

- Provides power supply to HCS-8338 and HCS-8348 series Paperless Multimedia Congress Terminal, as well as to HCS-8300KMX Congress Gigabit Network Switcher
- Sync power on/off with the Congress Main Unit (equipped with CBL6PP-01 - 1-meter 6-pin extension cable with two plugs)

Interconnections

- Power output: 4 × 2P aviation plug
- Power control interface: 4 × 6P-DIN socket

Technical Specifications

Electrical

Power supply.....AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz
Power output.....Four power outputs, each output 33V DC, 3A
Power consumption.....430 W

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
Dimensions (h × w × d)
For table use, with feet.....99 × 430 × 325 mm
For 19" rack use, with brackets.....89 × 478 × 350 mm
Weight.....10.3 kg
Color.....White (PANTONE 420 C)

Ordering Information

HCS-8300PM.....Power Supply Unit (DC 33 V)

HCS-8300PM2 Dual Backup Power Supply Unit



Functions

- Provides power supply to HCS-8338 and HCS-8348 series Paperless Multimedia Congress Terminal, as well as to HCS-8300KMX Congress Gigabit Network Switcher
- Sync power on/off with the Congress Main Unit (equipped with CBL6PP-01 - 1-meter 6-pin extension cable with two plugs)
- Two completely independent power supply systems to realize dual backup for system power supply
- If the primary power supply fails, the standby power takes over supply immediately

Interconnections

- Power output: 4 × 2P aviation plug
- Power control interface: 4 × 6P-DIN socket

Technical Specifications

Electrical

Power supply.....AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz
Power output.....Four power outputs, each output 33V DC, 3A
Power consumption.....430 W

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
Dimensions (h × w × d)
For table use, with feet.....99 × 430 × 325 mm
For 19" rack use, with brackets.....89 × 478 × 350 mm
Weight.....14.2 kg
Color.....White (PANTONE 420 C)

Ordering Information

HCS-8300PM2.....Dual Backup Power Supply Unit (DC 33 V)

Table 3 Quick lookup table for the max. number of connected multimedia terminals

Multi-media Terminal	The extension cable length between the HCS-8300PM/PM2 and the first Multimedia Terminal connected to the socket				
	20m	40m	60m	80m	100m
HCS-8338 HCS-8348	6	6	5	5	4
HCS-8338-NP HCS-8348-NP	5	5	4	4	3

HCS-8301MD

Digital Audio Mixer for Conference



Features

- Cooperating with the HCS-8300M Congress Main Unit, the operator can adjust and monitor the audio of microphones, audio input/output and all simultaneous interpretations
- Automatic memory function: all parameters can be automatically saved before switching and can be recalled after switching
- High-performance motor potentiometer control
- Automatic parameter synchronization between mixer and control PC
- Audio parameter adjustment for microphones, including EQ, GAIN, MUTE, LOW CUT and FADER
- Audio parameter adjustment for AES/Dante IN, including EQ, MUTE and FADER
- Audio parameter adjustment for LINE IN, including EQ, GAIN, MUTE and FADER
- Audio parameter adjustment for AES/LINE OUT, including EQ, MUTE and FADER
- Audio parameter adjustment for simultaneous interpretation, including EQ, LOW CUT and OFF
- 10" TFT LCD screen for displaying status of each channel, connection status and setting interface
- Monitor earphone jacks with channel selector and volume control
- LCD screen rotary angle: 90° ~ 180°

Combining the HCS-8301MD Digital Audio Mixer with the HCS-8300 Congress Main Unit, the operator can adjust and monitor the audio of microphones, AES/Dante/line inputs, AES/line output and simultaneous interpretation without PC. All channel status can be displayed on 10" LCD screen.

Controls and Indicators

- Through the control panel, the operator can monitor any six active microphone channels, up to 64 simultaneous interpretation channels (with paging), 2 AES/Dante/line inputs, 1 AES/line output channel

- Microphone channels: GAIN knob (-15 dB~+15 dB), 5 x EQ knob (9 KHz, 2.5 KHz, 1 KHz, 300 Hz, 80 Hz), FADER (-30 dB~0 dB), LOW CUT button, MUTE button, PEAK indicator
- AES/Dante/Line inputs: GAIN knob (-30 dB~0 dB), 5 x EQ knob (9 KHz, 2.5 KHz, 1 KHz, 300 Hz, 80 Hz), FADER (-30 dB~0 dB), MUTE button, PEAK indicator
- AES/Line output: 5 x EQ knob (10 KHz, 2.5 KHz, 1 KHz, 250 Hz, 100 Hz), FADER (-30 dB~0 dB), MUTE button, PEAK indicator
- Simultaneous interpretation channels: 3 x EQ knob (HF, MF, LF), FADER (-20 dB~+10 dB), MUTE button, OFF button, PEAK indicator, Engaged indicator
- 1 x channel selector knob for monitoring
- 1 x volume control knob for monitoring
- 10" TFT LCD
- Power switch with indicator

Interconnections

- 1 x RJ45 standard socket (input) and 1 x 6P-DIN extension input socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 x RJ45 standard socket for connection to Congress Main Unit (TO MIXER)
- 6P-DIN extension output for connection with Congress Unit or Congress Extension Main Unit
- RJ45 standard socket for connection to Ethernet interface (LAN)
- Ø 6.3 mm and Ø 3.5 mm monitor headphone jacks
- 2 x 8P aviation socket for connecting control panel with LCD (equipped with cable)

Technical Specifications

Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz
Max. power consumption.....65 W

LCD

Type.....True color TFT LCD
Dimension.....10.2 inches, 16:9
Resolution.....800×480
Display color.....2¹⁸ (18 bit)
Brightness.....400 cd/m²
Contrast.....500:1

Mechanical

Dimensions h × w × d (mm).....103× 389 × 490 (unfurl)
Weight.....7.0 kg
Color.....Navy-blue (PANTONE 533 C)

Ordering Information

HCS-8301MD.....Digital Audio Mixer for Conference
(Dante parameter adjustable)

HCS-8319 Service Request Control Unit



Functions

- Equipped with a 10" LCD touch panel (800×480)
- Cooperates with the "call service" function of paperless multimedia congress terminals
- Receives and displays seat information, requested service, etc. of the conventioners, followed by a response

Technical Specifications

Electrical

LCD

Type.....True color TFT LCD
 Dimension.....10.2 inches
 Display color.....2¹⁸ (18 bit)

Power

Power adapter

Input.....AC 100 V - 240 V, 50 Hz / 60 Hz
 Output.....Voltage: DC +15 V; max. current: 2.2 A;
 output interface: Ø 5.5 mm plug

Battery

Spec.....Rechargeable Lithium-ion battery
 Voltage.....16 V/19 V
 Capacity.....48.8 Wh
 Charging current.....Approx 1300 mA
 Charging time.....3.5 - 4 hours

Current

Normal working current.....Approx 800 mA
 Standby current.....100 mA - 120 mA
 Power-off current.....1 mA - 1.5 mA

Mechanical

Mounting.....Tabletop
 Dimensions (h × w × d).....87 × 270 × 216 mm
 Weight.....2.3 kg
 Color.....Gray (PANTONE Cool Gray 11 C)

Ordering Information

HCS-8319.....Service Request Control Unit

HCS-8300MOD/FSD 8 Channels Audio Output Device



Functions

- Converts the digital audio signals of the Congress System to multi channel digital(AES/EBU)/analog audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- Output level of each channel adjustable
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs output channel number and language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

Interconnections

- 4 × XLR-M connector for 8 CHs digital (AES/EBU) audio outputs
- 8 × RCA connector for analog audio outputs (unbalanced)
- 8 × 3-pin Phoenix connector for analog audio outputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance
- Equipped with duplex SC single-mode optical fiber interface
- Dante interface to connect to peripheral digital devices without losing any sound quality

Technical Specifications

Electrical

Frequency response	30 Hz to 20 kHz
SNR	>90 dBA
Dynamic range	>85 dB
Isolation	>90 dB
THD	<0.05%
Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption	65 W

Max. audio outputs

Analog: 8 × RCA	+12 dBu
Analog: 8 × 3-pin Phoenix	+18 dBu
Digital: 4 × XLR-M	1 FFS
Output level adjustable range	-30 dB~ +20 dB, mute

Mechanical

Mounting	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet	99 × 430 × 325 mm
For 19" rack use, with brackets	89 × 478 × 350 mm
Weight	5.5 kg
Color	White (PANTONE 420 C)

Ordering Information

HCS-8300MOD/FSD...8 Channels Audio Output Device (AES/EBU digital outputs, analog outputs, single-mode optical fiber interface, Dante interface)

HCS-8300MOD 8 Channels Audio Output Device



Functions

- Converts the digital audio signals of the Congress System to multi channel digital(AES/EBU)/analog audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- Output level of each channel adjustable
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs output channel number and language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

Interconnections

- 4 × XLR-M connector for 8 CHs digital (AES/EBU) audio outputs
- 8 × RCA connector for analog audio outputs (unbalanced)
- 8 × 3-pin Phoenix connector for analog audio outputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz
 SNR.....>90 dBA
 Dynamic range.....>85 dB
 Isolation.....>90 dB
 THD.....<0.05%
 Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz
 Power consumption.....65 W

Max. audio outputs

Analog: 8 × RCA.....+12 dBu
 Analog: 8 × 3-pin Phoenix.....+18 dBu
 Digital: 4 × XLR-M.....1 FFS
 Output level adjustable range.....-30 dB~ +20 dB, mute

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
 Dimensions (h × w × d)
 For table use, with feet.....99 × 430 × 325 mm
 For 19" rack use, with brackets.....89 × 478 × 350 mm
 Weight.....5.5 kg
 Color.....White (PANTONE 420 C)

Ordering Information

HCS-8300MOD.....8 Channels Audio Output Device
 (AES/EBU digital outputs, analog outputs)

HCS-8300MOA/FSD 8 Channels Audio Output Device



Functions

- Converts the digital audio signals of the Congress System to multi channel analog audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- Output level of each channel adjustable
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs output channel number and language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

Interconnections

- 8 × RCA connector for analog audio outputs (unbalanced)
- 8 × 3-pin Phoenix connector for analog audio outputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance
- Equipped with duplex SC single-mode optical fiber interface
- Dante interface to connect to peripheral digital devices without losing any sound quality

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz
 SNR.....>90 dBA
 Dynamic range.....>85 dB
 Isolation.....>90 dB
 THD.....<0.05%
 Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz
 Power consumption.....65 W

Max. audio outputs

Analog: 8 × RCA.....+12 dBu
 Analog: 8 × 3-pin Phoenix.....+18 dBu
 Output level adjustable range.....-30 dB~ +20 dB, mute

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
 Dimensions (h × w × d)
 For table use, with feet.....99 × 430 × 325 mm
 For 19" rack use, with brackets.....89 × 478 × 350 mm
 Weight.....5.5 kg
 Color.....White (PANTONE 420 C)

Ordering Information

HCS-8300MOA/FSD.....8 Channels Audio Output Device (analog outputs, single-mode optical fiber interface, Dante interface)

HCS-8300MOA

8 Channels Audio Output Device



Functions

- Converts the digital audio signals of the Congress System to multi channel analog audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- Output level of each channel adjustable
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs output channel number and language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

Interconnections

- 8 × RCA connector for analog audio outputs (unbalanced)
- 8 × 3-pin Phoenix connector for analog audio outputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance

Technical Specifications

Electrical

Frequency response	30 Hz to 20 kHz
SNR	>90 dBA
Dynamic range	>85 dB
Isolation	>90 dB
THD	<0.05%
Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption	65 W

Max. audio outputs

Analog: 8 × RCA	+12 dBu
Analog: 8 × 3-pin Phoenix	+18 dBu
Output level adjustable range	-30 dB~ +20 dB, mute

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
Dimensions (h x w x d)
For table use, with feet.....99 x 430 x 325 mm
For 19" rack use, with brackets.....89 x 478 x 350 mm
Weight.....5.5 kg
Color.....White (PANTONE 420 C)

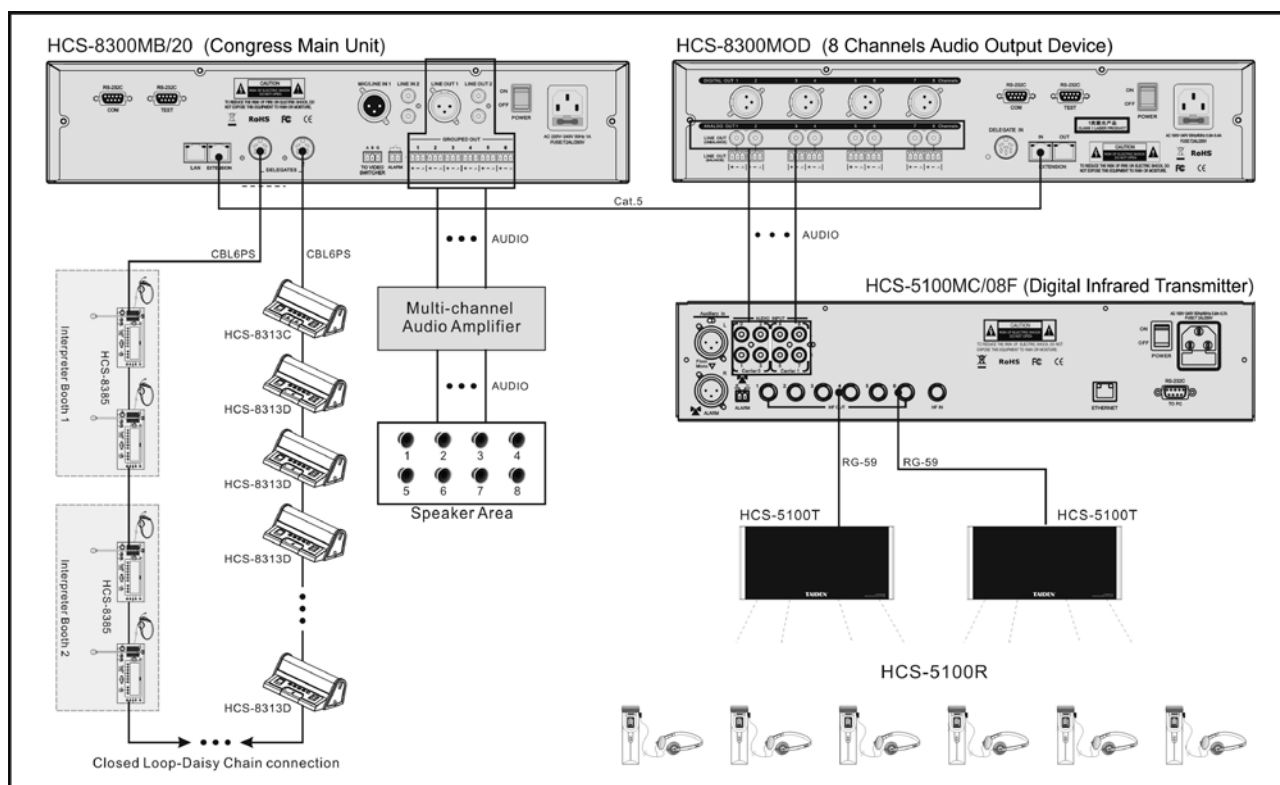
Ordering Information

HCS-8300MOA.....8 Channels Audio Output Device
(analog outputs)

Function list

Type No.	Analog output	Digital output	Optical fiber interface	Dante interface
HCS-8300MOD/FSD	√	√	√	√
HCS-8300MOD	√	√		
HCS-8300MOA/FSD	√		√	√
HCS-8300MOA	√			

System Connection [discussion + voting + infrared simultaneous interpretation]



HCS-8300MID/FSD 8 Channels Audio Input Interface



Functions

- Transmits 8 digital(AES/EBU)/analog audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs input channel number and language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

Interconnections

- 4 × XLR-F connector for 8 CHs digital (AES/EBU) audio inputs
- 8 × RCA connector for Line in (unbalanced)
- 8 × 3-pin Phoenix connector for Line in /microphone inputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume control and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- Equipped with duplex SC single-mode optical fiber interface
- Dante interface to connect to peripheral digital devices without losing any sound quality

Technical Specifications

Electrical

Frequency response	30 Hz to 20 kHz
SNR	>90 dBA
Dynamic range	>85 dB
Isolation	>90 dB
THD	<0.05%
Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption	65 W

Max. audio inputs

Analog: 8 × RCA	+18 dBA
Analog: 8 × 3-pin Phoenix (Line in)	+8 dBA
Analog: 8 × 3-pin Phoenix (Mic. in)	-12 dBA
Digital: 4 × XLR-F	1 FFS
Input sensitivity adjustable range	-20 dB ~ +10 dB, mute

Mechanical

Mounting	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet	99 × 430 × 325 mm
For 19" rack use, with brackets	89 × 478 × 350 mm
Weight	5.5 kg
Color	White (PANTONE 420 C)

Ordering Information

HCS-8300MID/FSD... 8 Channels Audio Input Interface (AES/EBU digital inputs, analog inputs, single-mode optical fiber interface, Dante interface)

HCS-8300MID 8 Channels Audio Input Interface



Functions

- Transmits 8 digital(AES/EBU)/analog audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs input channel number, language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

Interconnections

- 4 × XLR-F connector for 8 CHs digital (AES/EBU) audio inputs
- 8 × RCA connector for Line in (unbalanced)
- 8 × 3-pin Phoenix connector for Line in /microphone inputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume control and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance

Technical Specifications

Electrical

Frequency response	30 Hz to 20 kHz
SNR	>90 dBA
Dynamic range	>85 dB
Isolation	>90 dB
THD	<0.05%
Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption	65 W

Max. audio inputs

Analog: 8 × RCA	+18 dBu
Analog: 8 × 3-pin Phoenix (Line in)	+8 dBu
Analog: 8 × 3-pin Phoenix (Mic. in)	-12 dBu
Digital: 4 × XLR-F	1 FFS
Input sensitivity adjustable range	-20 dB ~ +10 dB, mute

Mechanical

Mounting	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet	99 × 430 × 325 mm
For 19" rack use, with brackets	89 × 478 × 350 mm
Weight	5.5 kg
Color	White (PANTONE 420 C)

Ordering Information

HCS-8300MID	8 Channels Audio Input Interface (AES/EBU digital inputs, analog inputs)
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HCS-8300MIA/FSD 8 Channels Audio Input Interface



Functions

- Transmits 8 analog audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs input channel number, language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

Interconnections

- 8 × RCA connector for Line in (unbalanced)
- 8 × 3-pin Phoenix connector for Line in /microphone inputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume control and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- Equipped with duplex SC single-mode optical fiber interface
- Dante interface to connect to peripheral digital devices without losing any sound quality

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz
 SNR.....>90 dBA
 Dynamic range.....>85 dB
 Isolation.....>90 dB
 THD.....<0.05%
 Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz
 Power consumption.....65 W

Max. audio inputs

Analog: 8 × RCA.....+18 dBu
 Analog: 8 × 3-pin Phoenix (Line in).....+8 dBu
 Analog: 8 × 3-pin Phoenix (Mic. in).....-12 dBu
 Input sensitivity adjustable range.....-20 dB ~ +10 dB, mute

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
 Dimensions (h × w × d)
 For table use, with feet.....99 × 430 × 325 mm
 For 19" rack use, with brackets.....89 × 478 × 350 mm
 Weight.....5.5 kg
 Color.....White (PANTONE 420 C)

Ordering Information

HCS-8300MIA/FSD.....8 Channels Audio Input Interface (analog inputs, single-mode optical fiber interface, Dante interface)

HCS-8300MIA 8 Channels Audio Input Interface



Functions

- Transmits 8 analog audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs input channel number, language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

Interconnections

- 8 × RCA connector for Line in (unbalanced)
- 8 × 3-pin Phoenix connector for Line in / microphone inputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume control and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz
 SNR.....>90 dBA
 Dynamic range.....>85 dB
 Isolation.....>90 dB
 THD.....<0.05%
 Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz
 Power consumption.....65 W

Max. audio inputs

Analog: 8 × RCA.....+18 dBu
 Analog: 8 × 3-pin Phoenix (Line in).....+8 dBu
 Analog: 8 × 3-pin Phoenix (Mic. in).....-12 dBu
 Input sensitivity adjustable range.....-20 dB ~ +10 dB, mute

Mechanical

Mounting.....Tabletop or mounted in a 19" rack
 Dimensions (h × w × d)
 For table use, with feet.....99 × 430 × 325 mm
 For 19" rack use, with brackets.....89 × 478 × 350 mm
 Weight.....5.5 kg
 Color.....White (PANTONE 420 C)

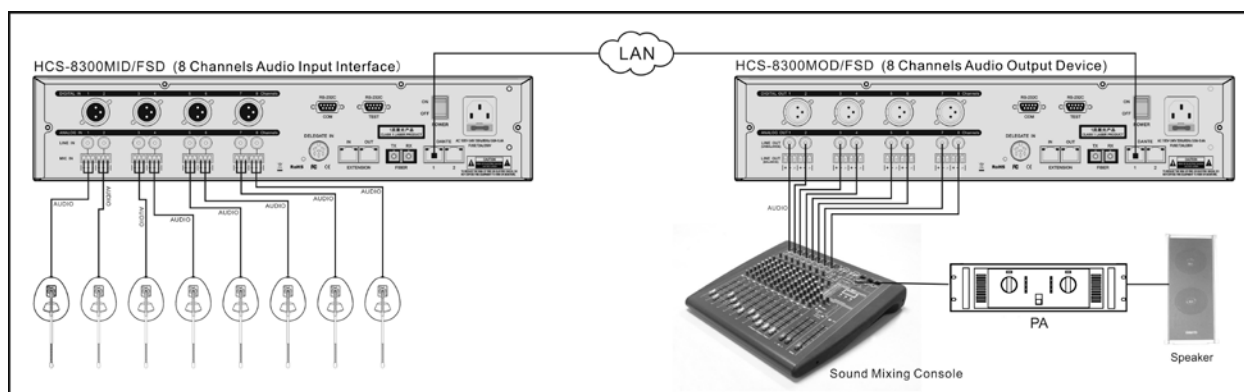
Ordering Information

HCS-8300MIA.....8 Channels Audio Input Interface
 (analog inputs)

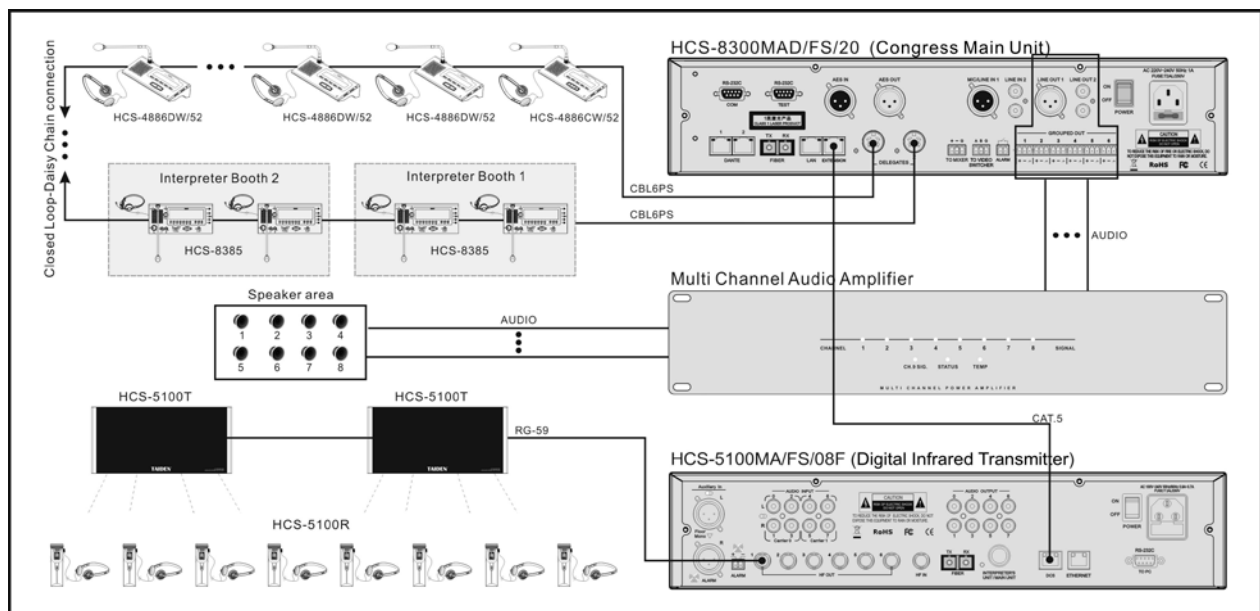
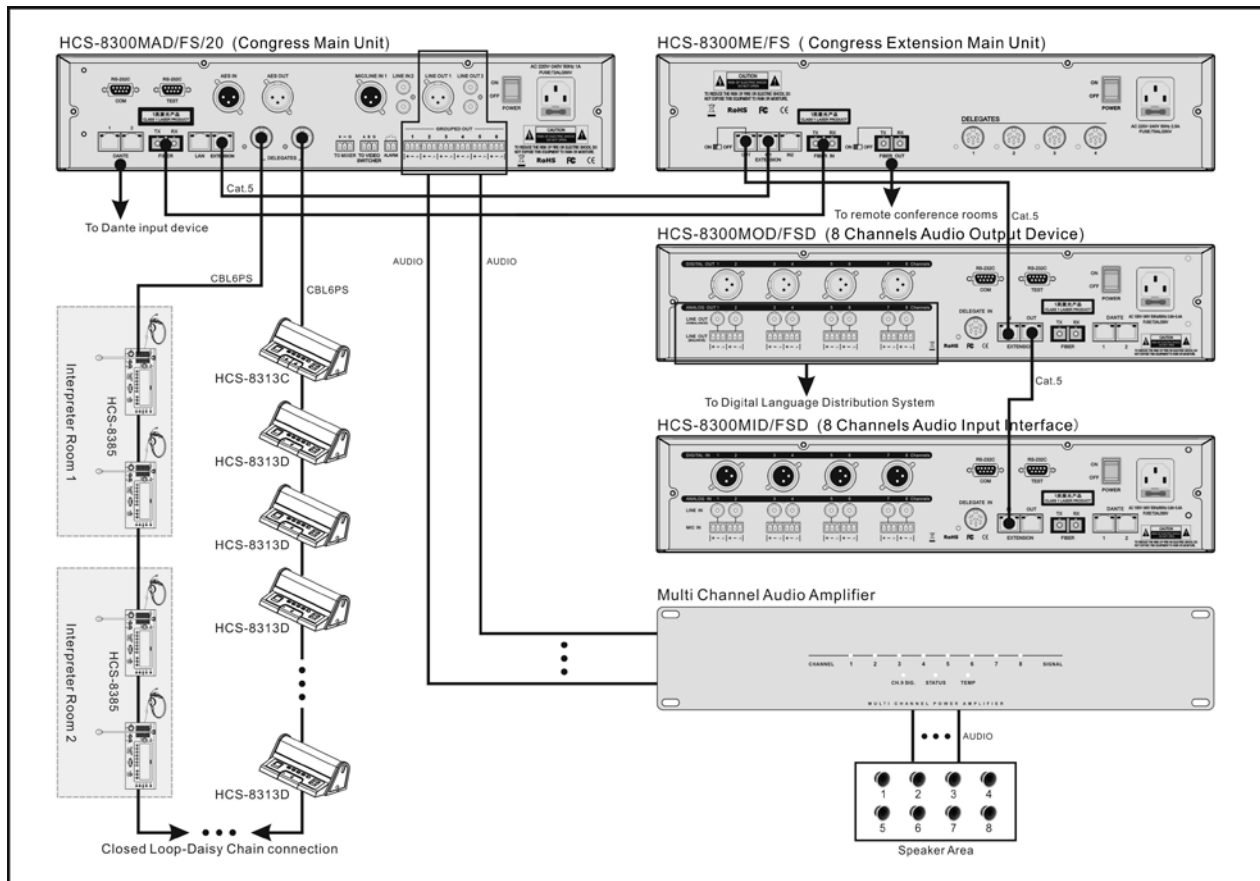
Function list

Type No.	Analog input	Digital input	Optical fiber interface	Dante interface
HCS-8300MID/FSD	√	√	√	√
HCS-8300MID	√	√		
HCS-8300MIA/FSD	√		√	√
HCS-8300MIA	√			

System Connection [HCS-8300MI + HCS-8300MO multi-channel audio transmission]



HCS-8300 Series Digital Congress System - Connection Diagram



HCS-8300 Series Application Software

HCS-8300 application software is comprehensive, reliable and user-friendly. But it is also an easy care software system which helps the operator to manage the conference efficiently from the very beginning of a meeting until the post-meeting work. With the PC installed HCS-8300 application software connected into the Fully Digital Conference System (FDCCS), the operator can manage all aspects of the conference centrally. The operation turns out to be easy and efficient.

HCS-8300 application software is a modularized software with various functional modules:

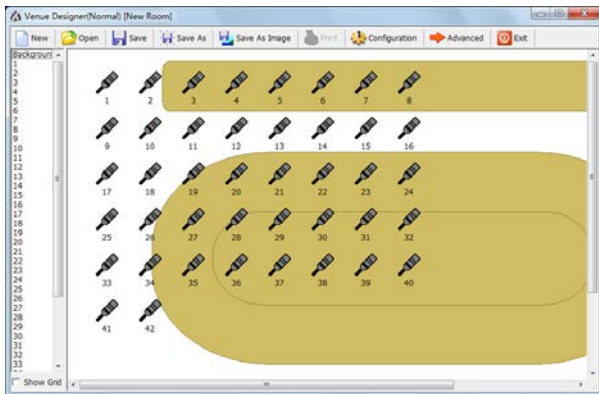
- Basic System Setup Management Software Module (HCS-8210)
- Professional Venue Design Software Module (HCS-8212)
- Microphone Management Software Module (HCS-8213)
- Voting Management Software Module (HCS-8214)
- Video Control Software Module (HCS-8215)
- Simultaneous Interpretation Software Module (HCS-8216)
- Intercom Software Module (HCS-8218)
- Synchronous Audio Recording Management Software Module (HCS-8219)
- Multi-User Conference Control Software Module (HCS-8221)
- Dual PC Server Hot Spare Software Module (HCS-8222)
- Agenda Control Software Module (HCS-8223)
- Speech Prompt Module (HCS-8224)
- Dual System Main Unit Hot Spare Software Module (HCS-8225)
- Touched/Contactless IC-Card Sign in Management Software Module (HCS-8226)
- Fingerprint Identification Management Software Module (HCS-8229)
- Electronic Nameplate Management Software Module (for HCS-1080, HCS-8338-NP, HCS-8348-NP and HCS-8335(A)-NP) (HCS-8231)
- Electronic Nameplate Management Software Module (for HCS-1081) (HCS-8232)
- CongressMatrix Software Module (HCS-8238)
- Congress Service Management Software Module (HCS-8239)
- Video Service Software Module (HCS-8240)
- File Management Software Module (HCS-8241)
- Congress Nameplate Building Software Module (HCS-8242)
- Digital HD Video Recording Management Software Module (HCS-8243)
- Rooms & Booths Combine Control Software Module (HCS-8244)



HCS-8210 Basic Software Module

Basic software module consists of an amount of facilities, e.g. venue design (normal edition), conference management, main unit configuration, contribution unit configuration, information display, system detection, system report, and user management.

Venue design facility



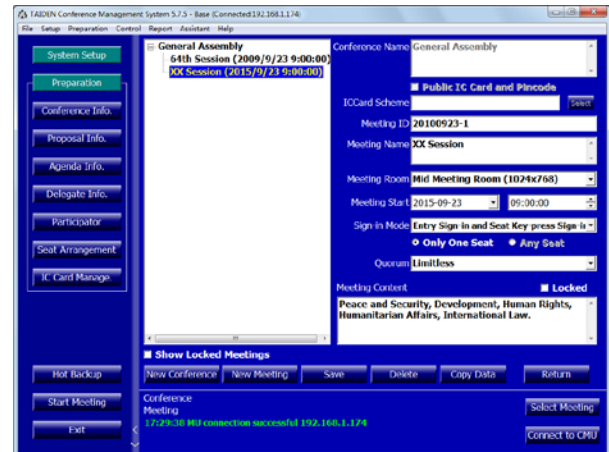
Venue design (normal edition)

Functions

Converts the venue seating into an intuitive, graphical and controllable interface as a basis for further use, according to the actual layout of the venue

- Self-designing the background picture and color, supporting pictures of any size
- Microphone number, amount of microphones per line, icon type - icon transparency optionally
- Freely drag and drop the microphone icon
- Reconfiguration of the initialized settings, available at any time
- Save/open files for file management
- Especially suitable for small-scale and medium-sized meeting room/hall. The professional edition of venue design module offers more facilities described in HCS-8212 Professional Venue Design Module

Conference information management



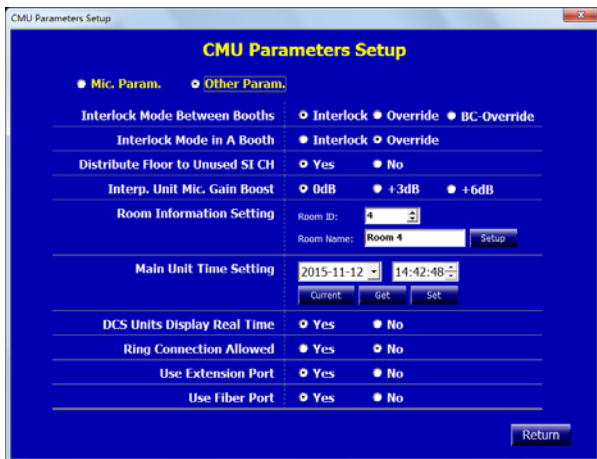
Conference information

Functions

Comprehensive conference information management facility, for clear and easy user management.

- Includes conference name and meeting information
- Each conference consists of several meetings
- Creation of a new meeting for appointed conference
- Meeting:
 - ◆ Meeting content: meeting name, meeting room name, meeting start time, sign in mode, quorum and conference content
 - ◆ Display of convoked meetings in distinct colors
 - ◆ Locking a convoked meeting for meeting data protection
- Freely switch between the meetings to manage

Main unit configuration facility



CMU parameters setup



Main unit control panel

Functions

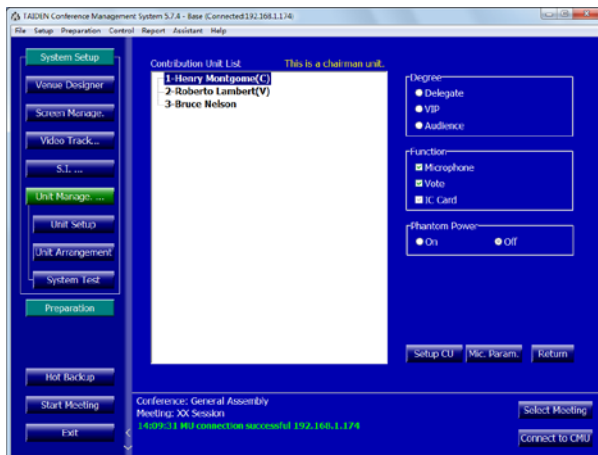
Module provides **CMU parameters setup** and **CMU control panel** sub-modules.

■ CMU parameters setup:

- Microphone Parameters:
 - ♦ Voice Sensitivity Level: set the sensitivity "Level" and "Off Time" to open microphone in Voice mode
 - ♦ Video Track:
 - Status: turn on/off video track function
 - Display Name: whether display delegate name or not when video track is active
 - Mode: set video track mode as FIFO or VIP First when video tracking
 - ♦ Chairman Priority Mode: set the operation when the chairman unit presses the priority button
 - All Off: turn off all microphones of delegates
 - All Mute: mute all microphones of delegates temporarily; once the button released, the former state is restored
 - Disabled: disable chairman unit's priority function. If disabled, the function of the priority key is the same as the Mic. On/Off key
 - ♦ Ring Mode: turn on/off all ring tones of the conference units when applying to speak, on receipt of a short message or on IC card insertion

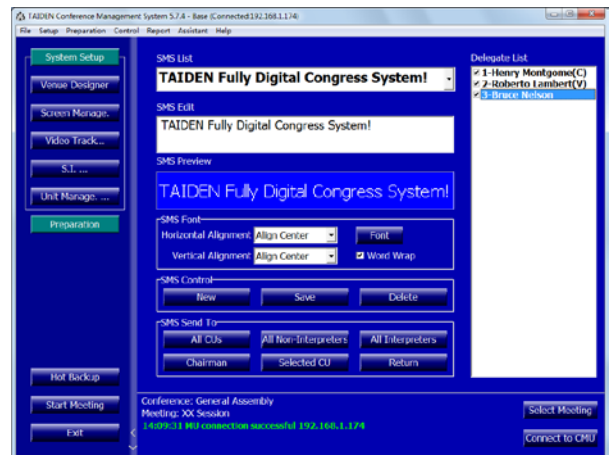
- ♦ Reduce HP volume when Mic. Active: select whether reduce headphone volume or not when Mic. active
- ♦ Handheld Mic. PTT Mode: force handheld microphone to PTT mode
- ♦ Mic. Green LED Ring: the illuminated ring will be lighted when the microphone is applying
- ♦ When abnormally disconnected, switch from Apply mode to Open mode
- Other Parameters:
 - ♦ Interlock Mode Between Booths: Booths output channels interlock mode (Interlock/ Override/ BC-Override), in BC-Override mode, channel A was protected, cannot override
 - ♦ Interlock Mode in A Booth: interlock mode (Interlock/ Override) in the same booth among the interpreter units;
 - ♦ Distribute Floor to Used SI CH: select whether to distribute floor to used SI channel automatically or not when the SI channel is not operated
 - ♦ Interp. Unit Mic. Gain Boost: 0dB, +3dB or +6dB is optional;
 - ♦ Room Information Setting: set up room ID and room name, the setup will take effect after restart of the main unit
 - ♦ Main Unit Time Setting: setup the time displayed on the LCD of the main unit's front panel
 - Current: display the time of the DCS server
 - Get: read the time of the main unit
 - Set: set the time of the main unit according to the time of the DCS server
 - ♦ DCS Units Display Real Time: select whether the contribution units display real time or not
 - ♦ Ring Connection Allowed: select whether ring connection topology is allowed or not
 - ♦ Use Extension Port: select whether use extension port or not
 - ♦ Use Fiber Port: select whether use fiber port or not
 - ♦ Enable Unit Control Nameplate Page: select whether allow multi-media terminal to control corresponding nameplate
- **CMU control panel:** synchronously display and adjust the status of the Congress Main Unit, for flexible control of the CMU by the operator
 - ♦ Active Microphones (1/2/3/4)
 - ♦ Operation mode (OPEN/OVERRIDE/VOICE/APPLY/PTT)
 - ♦ Master Volume (-30 dB – 0 dB)

Contribution unit configuration facility



Set up contribution unit interface

Information display



Short message

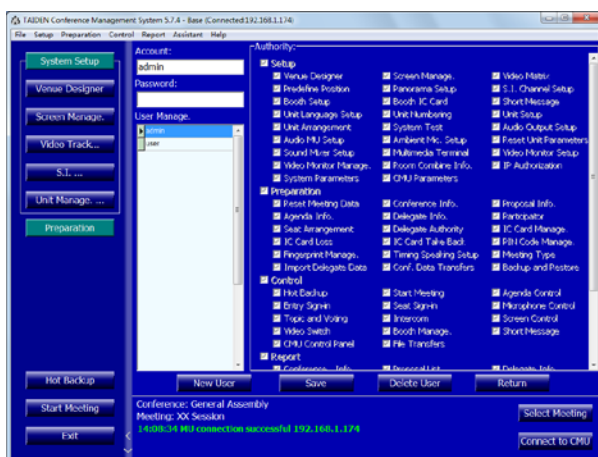
Functions

Set up and reconfigure internal parameters of the contribution unit by the administrator.

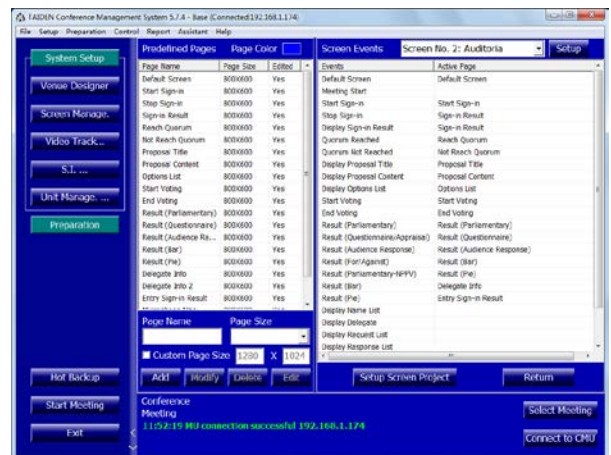
Parameters include:

- Contribution unit status (Delegate/VIP/Audience)
- Built-in facilities (Microphone/vote/IC-Card sign-in)
- Microphone sensitivity and EQ
- Easy reconfiguration of the internal settings
- Easy selection of any chairman unit to be executive chairman unit

User management



User management interface



Screen management

Functions

Include screen management and short message.

- **Screen management:** design of a screen and its related activated event
 - ◆ Set distinct screen projects for distinct conferences and languages
 - ◆ Predetermination of screen page contents: includes page color, page name, page size, etc.
 - ◆ Editing screen page contents: includes add text, picture, delegate's photo, voting results, etc.
 - ◆ Select the page to display when conference event starts. Each conference event corresponds to a particular screen page
 - ◆ Allocation of an alias for each screen for more convenience
- **Short message:**
 - ◆ Write short message: write short message up to the permitted message size, synchronous display for preview purposes. Supports various Chinese/English fonts and formats.
 - ◆ Send short message: select the compiled short message and send it/them to the unit(s), e.g. all contribution units (CU), all interpreters / non-interpreters, chairman and selected CU etc.
 - ◆ Contribution unit should be equipped with LCD to receive and display the short message.

Functions

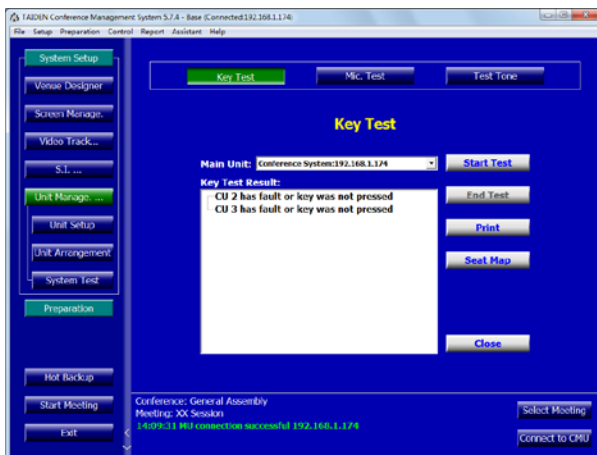
Create/delete a user, change user password and authorization

- Create a new user, and set his/her account, password, authority
- Change user's password and authorization
- Supports deleting a user

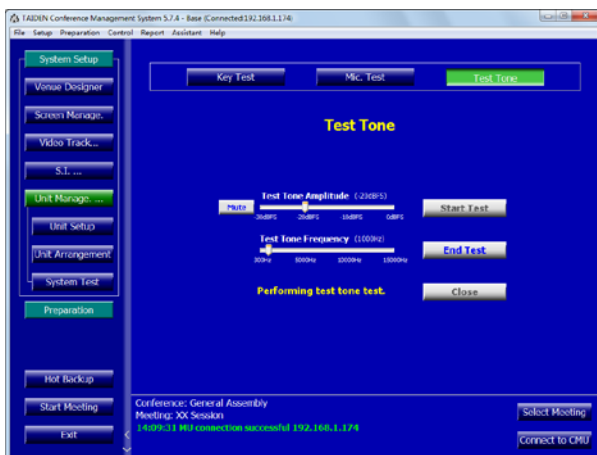
System detection



Microphone test interface



Key test interface



Test tone test interface

Functions

Online system test facility, including **microphone test**, **key test**, and **test tone test**

■ Microphone test, includes:

- ◆ Time setting for testing a microphone, valid for all microphones
- ◆ Facility to issue white noise for testing assistance
- ◆ Auto-detection of system-connected microphones with ID display of current tested microphone
- ◆ Sequential automatic test procedure: once time setting value reached, the tested unit is cleared and the sequencing unit is processed

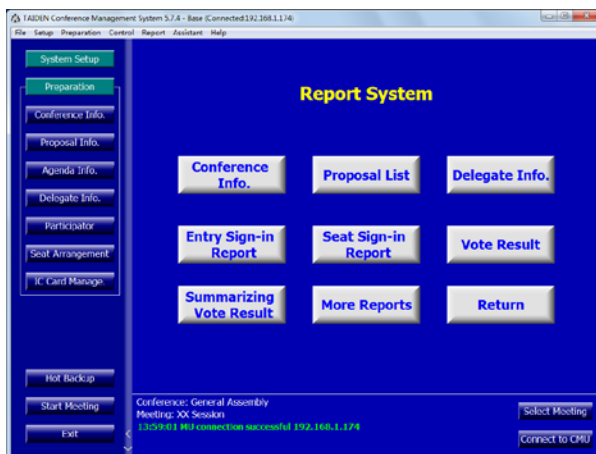
■ Key test: starts key test for all system-connected contribution unit

- ◆ Main unit IP address display
- ◆ Contribution units enter key detection state for key tests immediately on start of key test routine
- ◆ Result display on software interface on routine completion
- ◆ Supports printout

■ Test tone test:

- ◆ The HCS-8301M must be connected with the conference main unit before test tone test
- ◆ The amplitude of the test tone can be adjusted: -30 dBFS – 0 dBFS, default: -20 dBFS
- ◆ The frequency of the test tone can be adjusted: 300 Hz – 15000 Hz, default: 1000 Hz
- ◆ Test tone amplitude and frequency are synchronized with the settings on HCS-8301M

Report system



Report system

Functions

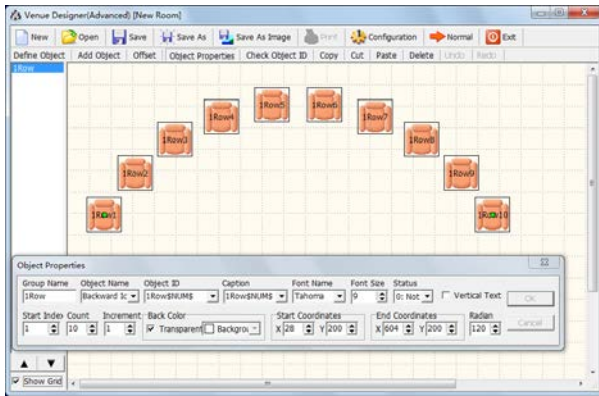
Conference information output from the software's database, for backup or printout purposes. The conference information includes:

- Conference information
- Proposal list
- Delegate information
- Sign-in report
- Voting result
- Summarizing voting results
- More reports

Ordering Information

HCS-8210 Basic System Setup Management Software Module

HCS-8212 Professional Venue Design Module



Venue design (professional)

Functions

Unlike the normal edition of the Venue Design Module, the professional version has additional powerful functions to design manifold layouts of venues. The main difference is the availability of functional buttons for file operation (toolbar buttons) and object operation (buttons below toolbar buttons) in the toolbars. In addition, the functions are also available in the file right-click pop-up menu. Moreover, the Object Properties dialog box is floating on the window for fast changing the properties of current object.

- File operation:
 - ◆ Venue design supports file operation, including: new, open, save as, and print
 - ◆ Create a new conference file: set the background color, room size and other parameters, including:
 - Background
 - Line number
 - Amount per line
 - Seat icon
 - Seat direction
 - Transparent icon or not
 - Show as MIC. icon or not
 - Re-arrange seat position or not
 - ◆ The parameters above can be changed at any time through "Configuration" menu on the toolbar
 - ◆ Add seat/microphone icons line by line, 8 seats/microphones per line as default value. The amount of seats/microphones per line can be modified. While the normal edition can add only one seat at one go, the professional venue design module can add groups with more than one seat/microphone per group
 - ◆ Shifting facility for complete layout
- Define object:
 - ◆ Picture library with default (customized and/or recurrent) objects
 - ◆ Modifiable object information, e.g. object name, image path, distinguishable colors for displaying object images in different states (e.g. signed-in etc.)

- Powerful "object properties" function: object attribute can be set and changed, including:
 - ◆ Set group name and object name
 - ◆ Set unique ID and ID display mode for every object, supporting different fonts and sizes
 - ◆ Set starting object status
 - ◆ Set a radian for the object group and design seat layout according to true seating positions
 - ◆ Set start index of the object group
 - ◆ Change the amount of the units in an object group
 - ◆ Set numbering increment
 - ◆ Set initial background color and whether transparent or not
 - ◆ Set start and end coordinates of object group
- Object ID check facilities
- Support object copy, cut, paste and delete operation
- Object arrangement can be changed

Ordering Information

HCS-8212.....Professional Venue Design Software Module

HCS-8213 Microphone Management Module



Unit arrangement



Delegate information



Microphone control

- Assign a single seat for each delegate
- Section seating, automatic seat assignment for a group of delegates, supports new assignment – in parts or entirely
- Clear a single seat if required for a new assignment
- ♦ Unit arrangement: assign the Congress Units to the corresponding positions based on the true delegate seating, current cabling and layout:
 - Unit arrangement, assign the Congress Units to the true delegate seating
 - Delete unit, reassign the units
 - Locate seat position by menu operation
 - Operate the arranged units to check the arrangement

■ Delegate management includes three sub-modules: delegate information, participants and delegate authority

- ♦ Delegate information: create and manage the delegate's database
 - Edit delegate information: number, type, name, voting weight, leader (yes or no), presidium (yes or no), etc. Supports individual picture in the database
 - Users can customize the options in the above items
 - Customer-specific options for above items
 - Supports customized delegate grouping
 - Fast search facility
 - Database updatable
- ♦ Participants: select the delegates to participate in the conference from the database
 - List delegate information by group or by delegate type
 - Group adding function
- ♦ Delegate authority:
 - Degree: chairman or delegate
 - Authority: speak, vote and vote board

■ Microphone control: combined with venue design, seating arrangement, delegate management, conference management and microphone setup, for controlling and monitoring current microphone status, as well as automatic video tracking. Facility includes:

- ♦ Microphone on/off control
- ♦ Close all active microphone
- ♦ Approve/deny delegates' speaking requests
- ♦ Deny all speaking requests
- ♦ Delegate speech timing
- ♦ Record and save speaking
- ♦ Parliamentary mode control
- ♦ Detailed information available from the delegate database for online display purposes
- ♦ If cooperating with an automatic video tracking system, camera presets can be made for each discussion unit to transmit speaker's picture simultaneously to a hall display

Functions

Seat arrangement, delegate management and microphone control sub-modules

- **Seat arrangement** facility includes delegate seating and unit arrangement function modules
 - ♦ Delegate seating is used to assign seats for the delegates, e.g.:

Ordering Information

HCS-8213.....Microphone Management Software Module

HCS-8214 Voting Management Module



Topics and voting

Functions

Voting management, seat arrangement and delegate management sub modules.

■ Voting management:

- ◆ Topics information management
 - Set up, save, add or delete topics file before the meeting
 - Open topics control interface and display topics content to large screen
 - Printout the topics list and information and distribute to delegates as meeting information
 - Multiple voting facilities available, suitable for various conferences, including:
 - ✧ For/Against
 - ✧ Parliamentary: YES/NO/ABSTAIN
 - ✧ Questionnaire: 1/2/3/4/5
 - ✧ Audience response: --/0/+/++
 - ✧ Parliamentary (NPPV): YES/NO/ABSTAIN/NPPV
 - ✧ Appraisal:
 - ✧ satisfied (four keys voting: perfectly satisfied/satisfied/basically satisfied/unsatisfied)
 - (three keys voting: satisfied/basically satisfied/unsatisfied)
 - (two keys voting: satisfied/unsatisfied)
 - ✧ Qualified (four/three/two keys voting)
 - ✧ Competent (four/three/two keys voting)
 - Control modes: chairman control / operator control / time controlled voting
 - Calculation: predefined or in relation to the participants attending the meeting in person
 - Register mode: nominative/ballot
 - Validity mode: first key press valid/last key press valid
 - Pass rate: between 1% and 100%
- ◆ Multi-proposal voting at one time (for HCS-4368DM/50 series and paperless multimedia congress terminal)
- ◆ Display voting result to large screen
- ◆ Clear and vivid voting result display modes (numeric/bar/pie)
- ◆ Print or save voting result
- ◆ Sign-in before the voting to improve the security and validity of voting result

■ Seat arrangement facility includes delegate seating and unit arrangement function modules

- ◆ Delegate seating is used to assign seats for the delegates, e.g.:
 - Assign a single seat for each delegate
 - Section seating, automatic seat assignment for a group of delegates, supports new assignment – in parts or entirely
 - Clear a single seat if required for a new assignment
- ◆ Unit arrangement: assign the Congress Units to the corresponding positions based on the true delegate seating, current cabling and layout:
 - Unit arrangement, assign the Congress Units to the true delegate seating
 - Delete unit, reassign the units
 - Locate seat position by menu operation
 - Operate the arranged units to check the arrangement

■ Delegate management includes three sub-modules: delegate information, participants and delegate authority

- ◆ Delegate information: create and manage the delegate's database
 - Edit delegate information: number, type, name, voting weight, leader (yes or no), presidium (yes or no), etc. Supports individual picture in the database
 - Customer-specific options for above items
 - Supports customized delegate grouping
 - Fast search facility
 - Database updatable
- ◆ Participants: select the delegates to participate in the conference from the database
 - List delegate information by group or by delegate type
 - Group adding function
- ◆ Delegate authority:
 - Degree: chairman or delegate
 - Authority: speak, vote and vote board

Ordering Information

HCS-8214.....Voting Management Software Module (including delegate management, multiform voting, multi-proposal voting)

HCS-8215 Video Control Module



Video matrix



Camera control

Functions

Carries out automatic video tracking when cooperating with camera and video switch unit.

- Set up video matrix: set input/output channels for computer, camera and other video apparatus according to the connections between video equipment and video switch unit. The configuration can be sent to the Congress Main Unit for synchronization
- Video switch: switch among different input and output video signals according to the video matrix
- Camera preset: cooperating with microphone management module to set and adjust the camera preset for each seat/microphone and to transmit speaker's video picture simultaneously to a hall display
- Camera control: preset the panorama of the conference venue

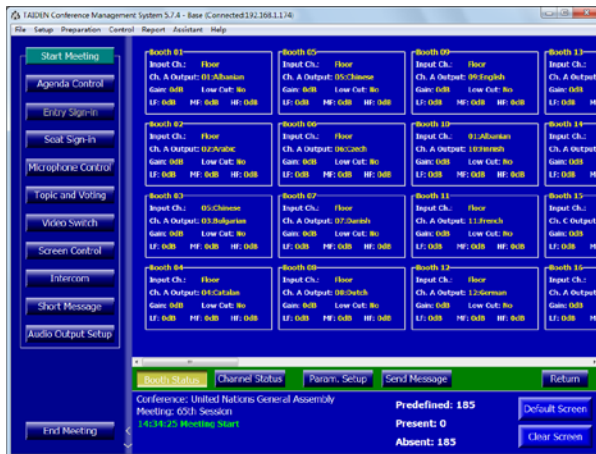
Ordering Information

HCS-8215 Video Control Software Module

HCS-8216 Simultaneous Interpretation Module



Interpretation channel setup



Interpreter booth status

Ordering Information

HCS-8216.....Simultaneous Interpretation Software Module

Functions

Set up the simultaneous interpretation channels, interpreter booth(s) and booth IC-Card:

- Simultaneous interpretation channel setup:
 - ♦ Set the channel number and language for each channel and save into the database
 - ♦ Set language and its abbreviation
 - ♦ Send the configuration to the Congress Main Unit for synchronization
 - ♦ Display Congress Main Unit configuration on the window
- Set up interpreter booth(s)
 - ♦ Set the number of interpreter booth, and save into database
 - ♦ Set the outgoing for channel A, B and C of each booth
 - ♦ Set the auto-relay booths for each interpreter booth
 - ♦ Assign the interpreter booth afresh after booths combination
 - ♦ Send configuration to the Congress Main Unit for synchronization
- Manage interpreter booth: synchronously control and communicate with the booth during the meeting
- Set up booth IC-Card: Booth use or do not use IC-Card, set IC-Card password and write IC-Card

HCS-8218 Intercom Module



Intercom interface

Functions

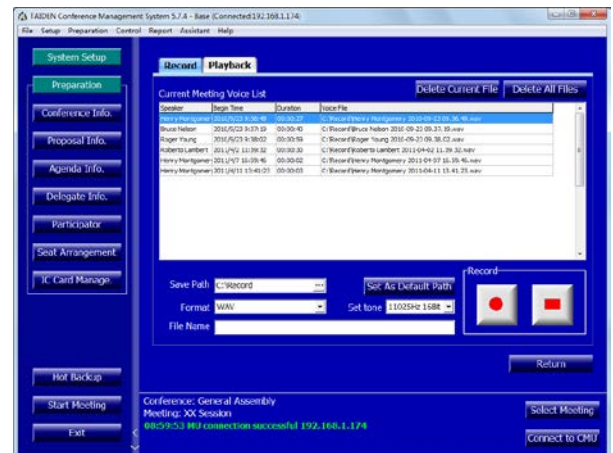
Provides bidirectional communication among the chairman, delegates, interpreters and operators:

- Multiplex communication session available
- Search facilities, fast locating of a delegate within the venue
- Easy to operate via control menu
- Communication session guided by the operator
- Enable remote operator
- Intercom only available for Congress Units equipped with LCD
- Paperless Multimedia Congress Terminal can initiate intercom without operator

Ordering Information

HCS-8218.....Intercom Software Module

HCS-8219 Synchronous Recording Module



Audio record interface

Functions

Records speakers' audio information:

- Integrated into **TAIDEN** conference management application software, easy to operate
- Automatic recording:
 - ◆ Begin/end automatic recording according to microphone on/off
 - ◆ Set up record audio quality
 - ◆ Once microphone enabled, speaking delegate's voice is recorded in audio file (WAV or MP3 format)
 - ◆ Saved audio file available for copying, playback, etc.
- If automatic audio recording is not activated, operator manually starts/stops recording. Record file name display
- Audio playback:
 - ◆ Search facilities, search audio record file needed to playback quickly (by conference ID, speaker, begin time, continuous time, etc.)
 - ◆ "Playback All": recordings playback one by one
 - ◆ Recorded file playback, fast play, pause/stop, etc.
 - ◆ General file format saving: saved file playback by conventional media player
 - ◆ Delete any recorded file or all recorded files

Ordering Information

HCS-8219.....Synchronous Audio Recording Management Software Module

HCS-8221 Multi-User Console Module



The primary window of multi-user console

Functions

If more than one operator is involved, a multi-user console is available for controlling speaking and voting, apart the system application software. A maximum of 5 multi-user consoles can be connected at the same time.

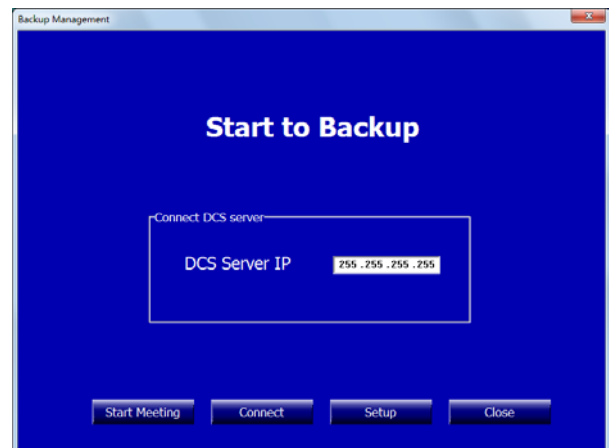
Basic conference control module:

- Microphone control
- Sign-in management
- Voting management
- Intercom
- Booth management
- Seat arrangement
- Proposal information
- Connect server
- Set up system parameters and download venue files from the server

Ordering Information

HCS-8221.....Multi-User Conference Control Software Module

HCS-8222 Dual PC Server Hot Spare Module



Start to backup interface



Backing up interface

Functions

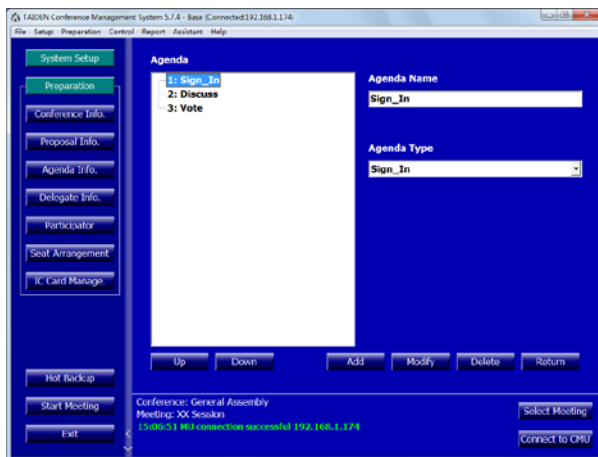
HCS-8300 dual PC server hot-spare is a disaster protective structure. If the main operating computer breaks down during a conference, the backup computer immediately substitutes the main computer and continues conference management.

After connection to main operating computer, the backup console application first starts an automatic backup (incl. database and conference related information). If there is any change in the database, the backup console application will update backup automatically.

Ordering Information

HCS-8222.....Dual PC Server Hot Spare Software Module

HCS-8223 Agenda Control Module



Agenda Information



Agenda control

Functions

Agenda is a list of meeting activities in the order in which they are to be worked off. The agenda is prepared beforehand. It may include sign-in, voting and discussion. Agenda edit prepares all activities and their sequence to ensure convenience and a well arranged course of events.

Agenda Management module consists of agenda information management and agenda control sub modules.

- **Agenda information management:** edit agenda content and sequence
 - ◆ Includes agenda name, agenda type and activity
 - ◆ Sequence of each activity adjustable - user can add, modify, delete an activity
- **Agenda control:** control the meeting process according to the pre-defined agenda content and sequence
 - ◆ Select an agenda from the agenda list and execute it
 - ◆ List the status of each agenda
 - ◆ Agenda can be edited, added, modified, or deleted during the meeting

Ordering Information

HCS-8223.....Agenda Control Software Module

HCS-8224 Speech Prompt Module



Speech prompt

Functions

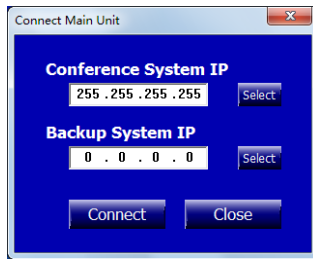
Speech Prompt Module is a displayed line-by-line reproduction of the speech to assist the speaker. The lecture unrolls smoothly and can be controlled manually or automatically.

- Manual control: unrolling sentence by sentence, operator can unroll the lecture by "Previous (Sentence)" or "Next (Sentence)"
- Automatic control: automatically unroll the lecture character by character, the scrolling rate can be set

Ordering Information

HCS-8224.....Speech Prompt Software Module
(independent from DCS software, run by PC)

HCS-8225 Dual System Main Unit Hot Spare Module



Connect to CMU

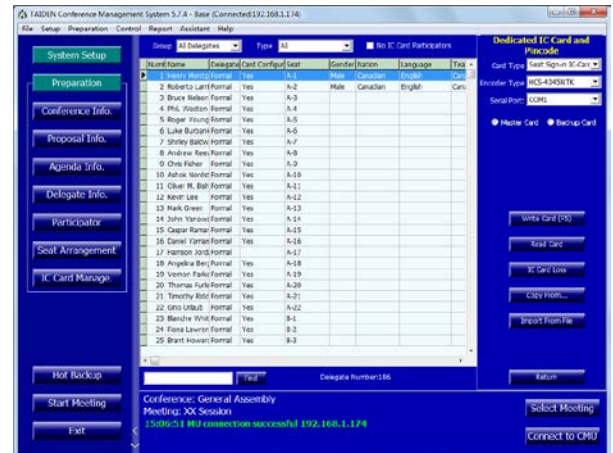
Functions

HCS-8300 dual main unit hot spare is a disaster protective structure. Besides the Congress Main Unit, user can set another Congress Main Unit as backup Congress Main Unit and connect it to the system. If the Congress Main Unit breaks down during the conference, the backup Congress Main Unit substitutes the Congress Main Unit and system software will connect to backup Congress Main Unit automatically, ensuring consistency of the conference.

Ordering Information

HCS-8225 Dual System Main Unit Hot Spare Software Module

HCS-8226 Touched/Contactless IC-Card Sign-in Management Module



IC-Card distribution

Functions

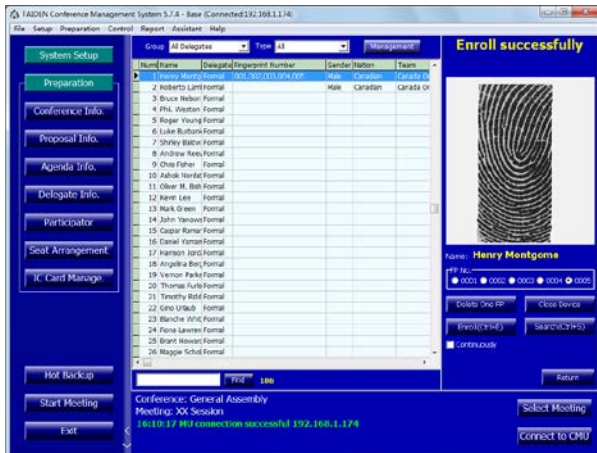
IC-Card distribution, IC-Card loss, IC-Card take back and delegate management sub modules

- **IC-Card distribution:**
 - ◆ The IC-Card contains conference number, participant's number, identity, rights, etc.
 - ◆ Card authentication restricted to one conference facility. New authentication subject to IC-Card rewriting
 - ◆ Write IC-Card before IC-Card distribution
- **IC-Card loss:** report card loss. Cards counted for lost cannot carry out conference sign-in
- **IC-Card take back:** when the conference is over, the cards used during the conference can be taken back, erased and rewritten for next use
- **Delegate management** includes three sub-modules: delegate information, participants and delegate authority
 - ◆ **Delegate information:** create and manage the delegate's database
 - Edit delegate information: number, type, name, voting weight, leader (yes or no), presidium (yes or no), etc. Supports individual picture in the database
 - Customer-specific options for above items
 - Supports customized delegate grouping
 - Fast search facility
 - Database updatable
 - ◆ **Participants:** select the delegates to participate in the conference from the database
 - List delegate information by group or by delegate type
 - Group adding function
 - ◆ **Delegate authority:**
 - Degree: chairman or delegate
 - Authority: speak, vote and vote board

Ordering Information

HCS-8226 Touched/Contactless IC-Card Sign-in Management Software Module

HCS-8229 Fingerprint Identification Management Software Module



Fingerprint management

Functions

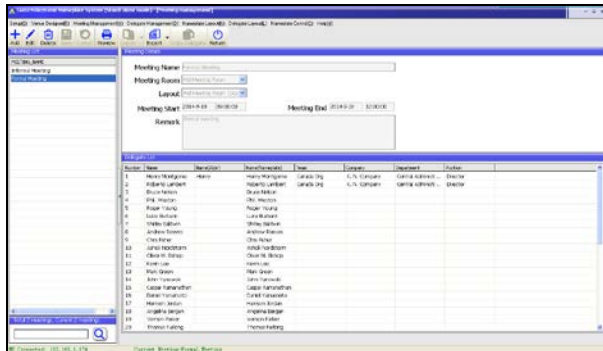
Fingerprint management and delegate management sub modules

- **Fingerprint management:**
 - ◆ Enroll fingerprint and the fingerprint data will be numbered automatically by the system
 - ◆ Search fingerprint and the result is listed with matching score
 - ◆ Delete fingerprint before meeting started
 - ◆ Import/export fingerprint data from/to file before meeting started
- **Delegate management** includes three sub-modules: delegate information, participants and delegate authority
 - ◆ Delegate information: create and manage the delegate's database
 - Edit delegate information: number, type, name, voting weight, leader (yes or no), presidium (yes or no), etc. Supports individual picture in the database
 - Users can customize the options in the above items
 - Customer-specific options for above items
 - Supports customized delegate grouping
 - Fast search facility
 - Database updatable
 - ◆ Participants: select the delegates to participate in the conference from the database
 - List delegate information by group or by delegate type
 - Group adding function
 - ◆ Delegate authority:
 - Degree: chairman or delegate
 - Authority: speak, vote and vote board

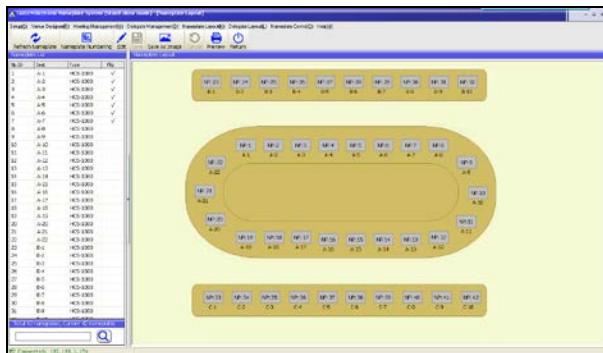
Ordering Information

HCS-8229 Fingerprint Identification Management
Software Module

HCS-8231 Electronic Nameplate Management Software Module (for wired E-ink nameplate)



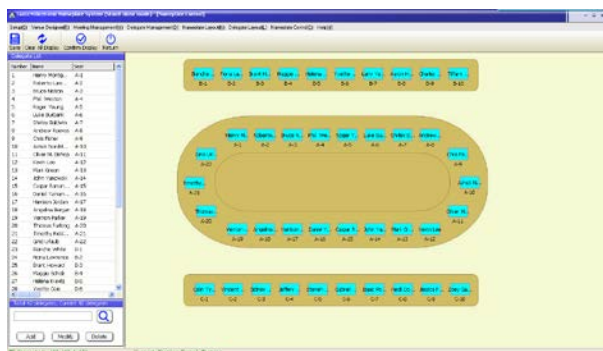
Meeting Management



Nameplate Layout



Delegate Management



Nameplate Control

Functions

TAIDEN electronic nameplate system works together with TAIDEN E-ink nameplate to realize soft, flicker-free, glare-free and power saving electronic nameplate function. It has two work modes: Stand-alone mode and DCS access mode.

■ Stand-alone mode

- ◆ Setup: supports role management, user management, connect to MU, receive meeting file, default nameplate setting, search 1080T, etc.;
 - ◆ Venue Designer: venue designer is the reproduction of the actual layout of the room venue; and supports several room layouts designed for one meeting room.
 - ◆ Meeting Management: add/edit meeting information and edit delegate information;
 - ◆ Delegate Management: create and manage the delegate's database; set up display effect for delegate screen;
 - ◆ Nameplate Layout: assign the nameplate to the corresponding positions based on the true seating layout
 - ◆ Delegate Layout: assign delegate to the corresponding positions based on the true seating layout
 - ◆ Nameplate Control: includes save layout data, clear all display, confirm display, edit delegate information, etc. If the seating was rearranged or delegate information was changed during the meeting, the nameplate will automatically refresh after confirming display
- DCS access mode: gets meeting database from DCS server; supports download room file, default nameplate setting, search 1080T, etc. Nameplate Layout and Display Control can be operated conveniently

Ordering Information

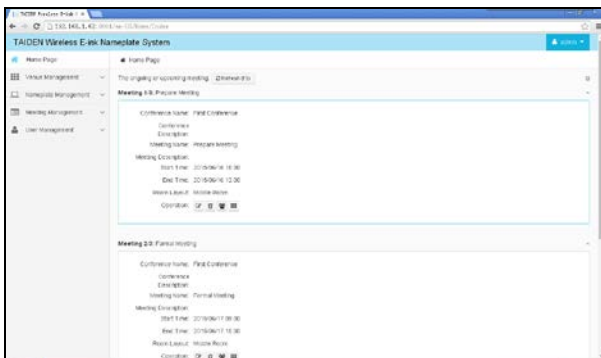
HCS-8231.....Electronic Nameplate Management Software Module (for wired E-ink nameplate)

HCS-8232

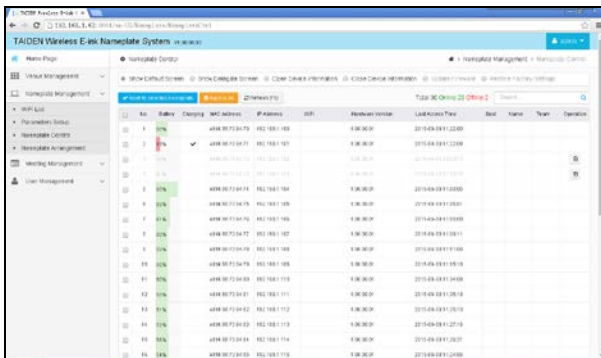
Electronic Nameplate Management Software Module (for HCS-1081)



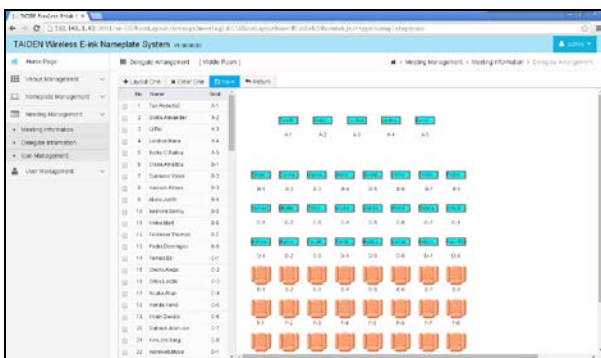
Login



[Home Page](#)



Nameplate Control



Delegate Arrangement

Functions

TAIDEN wireless E-ink nameplate system is an electronic nameplate control and management platform based on WiFi network, cooperating with TAIDEN HCS-1081 wireless E-ink nameplate. After configure the wireless E-ink nameplate system on the server, users can control the system through any computer which can access the server. The system is deployed on the server, 7x24 running. Users can log in remotely, build meetings, participants, and arrangement information. The nameplate system will automatically detect the schedule, automatically power on and refresh the nameplates according to the schedule.

- Venue Management

- ◆ Venue Designer: venue designer is the reproduction of the actual layout of the room venue;
- ◆ Layout Management: check and manage room layout;

- Nameplate Management

- ◆ WiFi List: add and manage WiFi information;
- ◆ Parameters Setup: supports default screen setup, power saving setup and update firmware file;
- ◆ Nameplate Control: control nameplate display, update firmware and check nameplate information includes battery, charging, IP address, WiFi, seat, etc.;
- ◆ Nameplate Arrangement: assign the nameplate to the corresponding positions based on the true seating layout;

- Meeting Management

- ◆ Meeting Information: add/edit conference and meeting information; add/edit participators for each meeting and arrange delegates to seats;
- ◆ Delegate Information: create and manage the delegate's database; set up display effect for delegate screen
- ◆ Icon Management: upload and manage icon file in order to add icon in nameplate screen display;

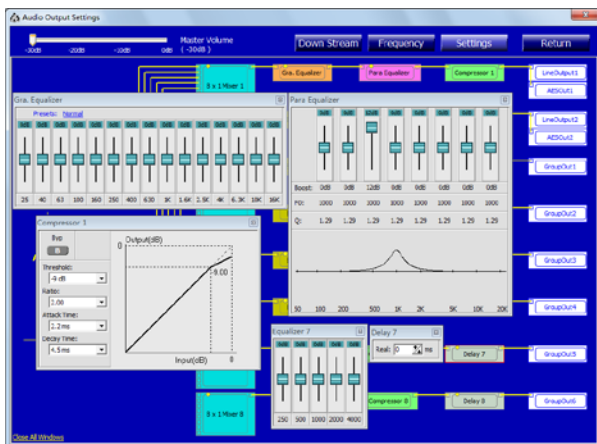
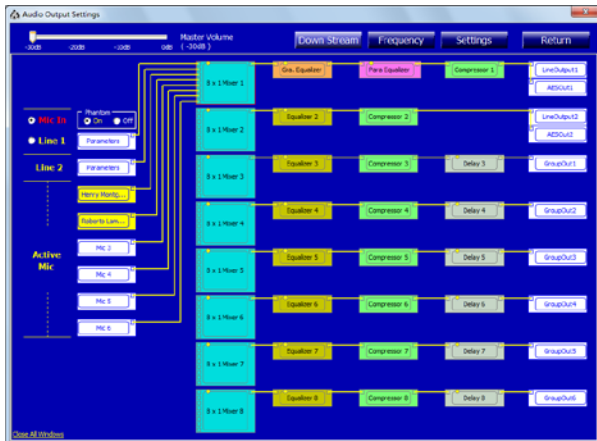
- User Management

- ◆ User Information: create/delete a user, change user password and role;
- ◆ Role Information: create/delete a role, change role rights.

Ordering Information

HCS-8232.....Electronic Nameplate Management Software
Module (for HCS-1081)

HCS-8238 CongressMatrix Software Module



CongressMatrix Software Interface

Functions

HCS-8300 Series Paperless Multimedia Congress System based on TAIDEN originated CongressMatrix™ technology, embedding an n×8 audio matrix processor (n is the number of microphones connected in the system) in the Congress Main Unit which enables connection to a multi channel independent PA system (up to 8 channels).

- 8 discrete audio outputs, including:
 - ♦ Line 1 output: 15 band graphical EQ + 8 band parameterized EQ + DRC (dynamic range compressor)
 - ♦ Line 2 output: 5 band graphical EQ + DRC (dynamic range compressor)
 - ♦ Group output 1~6: 5 band graphical EQ + DRC (dynamic range compressor) + time delay (Maximum delay time for 32 kHz sampling rate is 1.5 s, maximum delay time for 48 kHz sampling rate is 1 s.)
- Connectable to a multi channel independent PA system (up to 8 channels). Each channel is supplied with its proper audio signal. The audio signal of each microphone can be routed to any speaker at any ratio, thus “N-1” function can be realized easily: (when the microphone in one area is turned on, its audio signal is only routed to all areas except to its own) avoiding acoustic feedback (howl) when audio transmission gain is increased

- 8 channels group output function
- Recording by group function
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Displays audio signal spectrum to determine howling frequency which can be suppressed by adjusting EQ parameters
- 2 audio line in (analog, digital, Dante) or 1 audio line in (analog, Dante) + 1 microphone input, gain and EQ for each input adjustable separately. +24 V phantom power supply at microphone input, condenser microphone can be connected directly
- Connectable to multi channel audio input or output devices for versatile expansion of the system

Ordering Information

HCS-8238.....CongressMatrix Software Module

HCS-8239 Congress Service Management Software Module



Congress Service

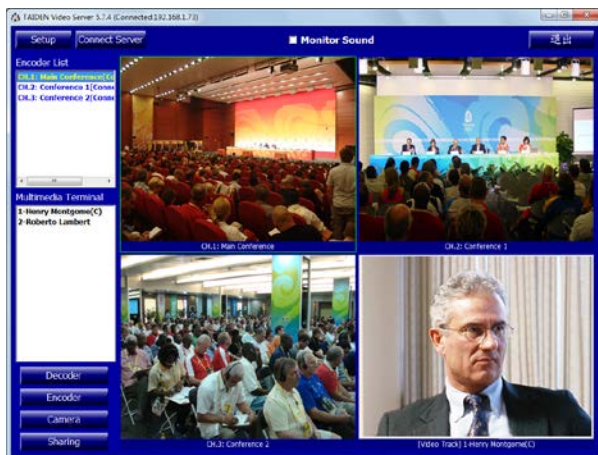
Functions

Paperless Multimedia Terminals have a service request function. The participants can call for a service from the Paperless Multimedia Terminals, the participant's name, seat and service type will be displayed on operator's monitor.

Ordering Information

HCS-8239.....Congress Service Management Software Module

HCS-8240 Video Service Software Module



Video Service

Functions

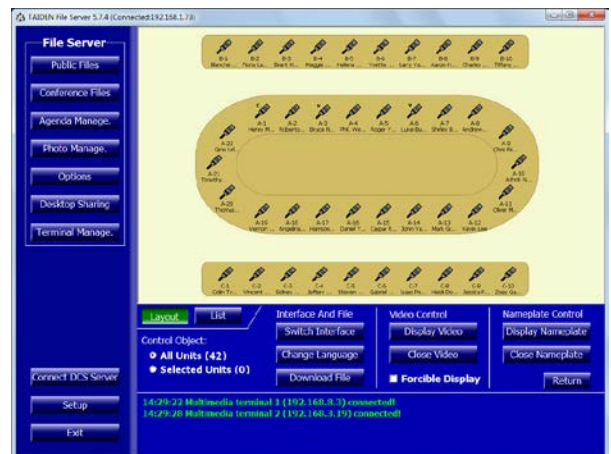
Cooperating with HCS-8338 and HCS-8348 series Paperless Multimedia Congress Terminal, video service module can realize video display, multiple channel VOD (up to 10 channels) and broadcasting, display the camera video of designated Congress Terminal, monitoring desktop sharing, includes:

- Encoder:
 - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Congress Terminals
 - ◆ Multiple channel VOD (up to 10 channels)
 - ◆ Video display function:
 - The large hall screen video can be displayed on the Paperless Multimedia Congress Terminals through video encoder and video server
 - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
- Camera: the camera video of designated Congress Terminal can be displayed on monitor; in video tracking mode, when the delegate turns on his/her microphone, the camera video of his/her Congress Terminal will be displayed on monitor automatically
- Desktop sharing: the operator can easily monitor and control desktop sharing.

Ordering Information

HCS-8240.....Video Service Software Module

HCS-8241 File Management Software Module



File Management

Functions

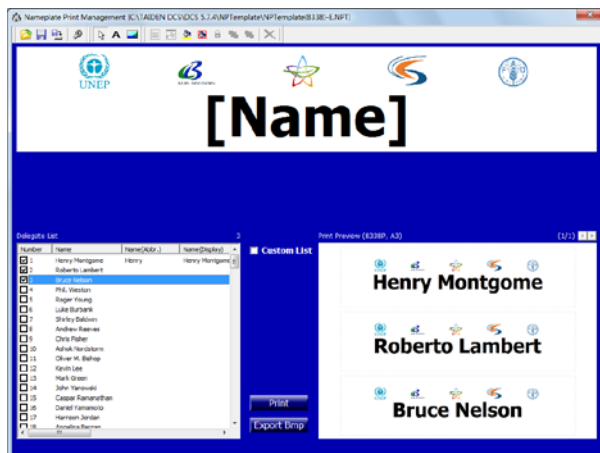
Cooperating with HCS-8338 and HCS-8348 series Paperless Multimedia Congress Terminal, the file management module can realize conference file management, agenda management, photo management, multimedia terminal authority configuration, and multimedia terminal management.

- Public files management: upload, download, delete files from file server to batch or single designated Congress Terminals, or upload, download files from Paperless Multimedia Congress Terminal; file access authority control; file archive
- Conference file management: export photos and room files
- Agenda management: edit and distribute meeting agenda to Paperless Multimedia Congress Terminals
- Photo management: view and edit photos taken when voting
- Options: set up authority for Paperless Multimedia Congress Terminals
- Desktop sharing: desktop sharing control
- Multimedia terminal management: including terminal desktop and file control, video control and nameplate control

Ordering Information

HCS-8241.....File Management Software Module

HCS-8242 Nameplate Design Software Module



Nameplate Print Management

Functions

The software module to design the congress nameplate supports the nameplate designing and printing for Paperless Multimedia Congress Terminals.

- Fast, environment-friendly and non-glaring nameplate system
- Informative and illustrated
- Automatic generation of the nameplate files once the session database completed, nameplates ready for use immediately after printing
- Printable by normal printer
- For HCS-8338, HCS-8348, HCS-8335 and HCS-8336 series Multimedia Congress Terminal

Ordering Information

HCS-8242.....Congress Nameplate Design Software Module

HCS-8243 Digital HD Video Recording Management Software Module



Preview interface

Functions

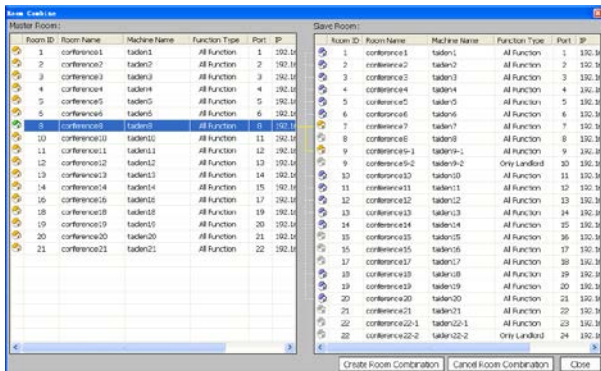
Digital HD Video Recording Management Software Module works on dual-core processor/4G or higher/Discrete graphic card/1440×900 (better)/DirectX 9.0 or higher Running Environment. With HCS-8130M series Professional Audio & Video Recorders can realize functions of video preview, video and record playback, meeting and management download, etc.

- **Preview, Playback, Download, Meeting and Management**
- **Includes screen layout, preview, video record, meeting record playback, information management and meeting download:**
 - ◆ Screen layout: layout of multi sub screen, 4,6,8 or 9 sub screens
 - ◆ Preview
 - ◆ Record: record meeting video manually; if having connected to DCS, record starts when meeting starts
 - ◆ Playback: files playback, must connect corresponding DVR
 - Playback video channel optional, playback all channels or any channel
 - Video display adjustable, 4:3 or 16:9
 - Support play/lull, stop, quick play and slow play
 - Support search by meeting, room or time, etc.
 - ◆ Information management: set up the connection of conference devices and synchronize meeting information from DVR to PC
 - ◆ Download: download video and audio files
 - Select the partition time(10min, 30min, 60min, 90min or 120min) as stated capacity to partition the file into some sections to save
 - Download type optional, includes speak information, SI information and proposal information
 - User defined information by time, defined a new event from the selected conference by setting up the start time and end time

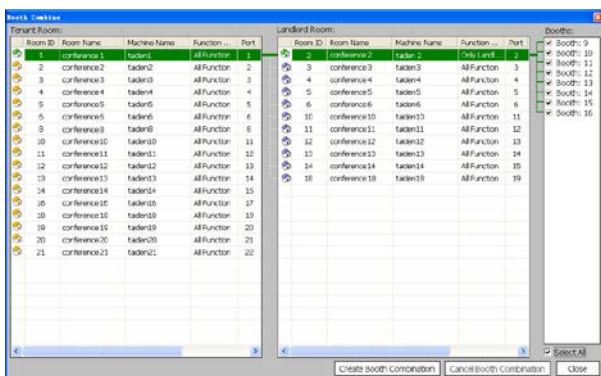
Ordering Information

HCS-8243.....Digital HD Video Recording Management Software Module

HCS-8244 Rooms & Booths Combine Control Software Module



Room combination



Booth combination

Functions

Cooperating with the HCS-8300MX/FS Booth Combiner and the HCS-8302MX/FS General Controller For Booth Combiners. Rooms & Booths Combine Control Software can realize conference rooms combination and booth sharing, cable connections do not need to be changed, includes:

- Room combination: select master room and slave room to realize room combination
- Booth combination: select tenant room and landlord room to realize booth combination
- Device and setting
 - Devices list: add/search/delete devices in the system
 - Port setting: view and set port information include fiber port, connect type, function type, room ID, etc.
 - Assets search: search device information of HCS-8300MX/FS and HCS-8302MX/FS
- User and help
 - User management: create/delete a user
 - Help: open help document
- Abnormal information
 - Inconformity of the working mode
 - Short-circuit protection

Ordering Information

HCS-8244.....Rooms & Booths Combine Control Software Module