TAIDEN®

Paperless Multimedia Congress System

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HCS-8668ACE
Multimedia Congress Terminal

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.

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 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**
- **Based on TAIDEN originated MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **Priority button**
- **Pluggable microphone**
- **Bi-color LED indicator on the rear plate to display request to speak or speaking status**
- **64 CHs interpretation with volume control**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, 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)**
- **Built-in contactless IC-Card slot**
- **Built-in fingerprint identification module**
- **Braille indicators for visually impaired**
- **DC or PoE power supply**
- **Internet access**
- **Video source selection**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

- Compliant to ISO 22259
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress^{TM} 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
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, 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 userConference 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
    - ▪ 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 USB disk
- ■ Conference service:
  - ◆ Short messages reader and editor
  - ◆ Call service, call secretary
- ■ Multiple channel video source selection with 1920×1080 resolution
- ■ 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, built-in 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
- ■ 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
- ■ Braille is present for all physical buttons
- ■ Every congress 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/Request/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
    - ・"Request" 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
- ■ Chairman unit: features all delegate functions, additionally:
  - ◆ Activation at any time (if the number of active microphones in the system is less than 8)
  - ◆ 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
  - ◆ Controls voting start and stop
  - ◆ Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- ■ 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)
- ■ 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
- ■ Bi-color LED indicator on the rear plate to display request to speak or speaking status
- ■ Channel select icons
- ■ Headphones volume up and down icons
- ■ Microphone On/Off button with indicator
- ■ Priority button with indicator
- ■ Three voting buttons with indicators
- ■ Four buttons for video selection

Interconnections

- ■ 2 × Ø 3.5 mm stereo headphone jack with volume control
- ■ USB interface (on the rear) for uploading or backing up files, or connecting to mouse or keyboard

- USB interface (on the bottom) for connection HCS-1082 series E-ink nameplate
- 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: supporting PoE connection of each RJ45 port

Technical Specifications

Electrical

Max. consumption ....14 W

LCD

Type ....True color TFT LCD
Dimension ....14 inches, 16:9
Resolution ....1920×1080
Display color ....2^{18}(18 bit)
Contrast 800:1

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 headphones

Mechanical

Mounting ....Tabletop
Dimensions (h × w × d) (w/o microphone) .....194 ×447 × 123 mm
Weight (incl. stem microphone) ....2.5 kg
Color ....Black (PANTONE 419 C)
Stem length ....330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8668ACE_B ......Paperless Multimedia Congress Terminal (tabletop, chairman unit, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 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, fingerprint identification, internet access, video source selection, HCS-1082 series E-ink nameplate can be connected, support PoE, Braille, black)

HCS-8668ADE
Paperless Multimedia Congress Terminal

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.

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 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**
- **Based on TAIDEN originated MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **Pluggable microphone**
- **Bi-color LED indicator on the rear plate to display request to speak or speaking status**
- **64 CHs interpretation with volume control**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, 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)**
- **Built-in contactless IC-Card slot**
- **Built-in fingerprint identification module**
- **Braille indicators for visually impaired**
- **DC or PoE power supply**
- **Internet access**
- **Video source selection**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

- Compliant to ISO 22259
- 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
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  - ♦ 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
  - 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 USB disk

■ Conference service:
- Short messages reader and editor
- Call service, call secretary

■ Multiple channel video source selection with 1920×1080 resolution

■ 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, built-in 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

■ 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

■ Braille is present for all physical buttons

■ Every congress 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/Request/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
  · "Request" 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 the MU limitation (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

■ Bi-color LED indicator on the rear plate to display request to speak or speaking status

■ Channel select icons

■ Headphones volume up and down icons

■ Microphone On/Off button with indicator

■ Three voting buttons with indicators

■ Four buttons for video selection

Interconnections

■ 2 × Ø 3.5 mm stereo headphone jack with volume control

■ USB interface (on the rear) for uploading or backing up files, or connecting to mouse or keyboard

■ USB interface (on the bottom) for connection HCS-1082 series E-ink nameplate

■ 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: supporting PoE connection of each RJ45 port

Technical Specifications

Electrical

Max. consumption	14 W

LCD

Type	True color TFT LCD
Dimension	14 inches, 16:9
Resolution	1920×1080
Display color	2^{18}(18 bit)
Contrast	800:1

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 headphones

Mechanical

Mounting	Tabletop
Dimensions (h × w × d) (w/o microphone)	194 ×447 × 123 mm
Weight (incl. stem microphone)	2.5 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8668ADE_B   Paperless Multimedia Congress Terminal (tabletop, delegate unit, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 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, fingerprint identification, internet access, video source selection, HCS-1082 series E-ink nameplate can be connected, support PoE, Braille, black)

HCS-8668BCE
Paperless Multimedia Congress Terminal

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.

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Features

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- **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**
- **Based on TAIDEN originated MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **Priority button**
- **Pluggable microphone**
- **Bi-color LED indicator on the rear plate to display request to speak or speaking status**
- **64 CHs interpretation with volume control**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, 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)**
- **Built-in contactless IC-Card slot**
- **Braille indicators for visually impaired**
- **DC or PoE power supply**
- **Internet access**
- **Video source selection**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

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  - ♦ 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
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- ■ Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- ■ Braille is present for all physical buttons

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  - ♦ Speak mode: Open/Override/Voice/Request/PTT
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Interconnections

- ■ 2 × Ø 3.5 mm stereo headphone jack with volume control
- ■ USB interface (on the rear) for uploading or backing up files, or connecting to mouse or keyboard

- USB interface (on the bottom) for connection HCS-1082 series E-ink nameplate
- DC power supply:
  - Two Gigabit network ports for "daisy chain" connection
  - One DC slot for connecting to 2-meter power branch cable (CBL4PT-02A)
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Earphone load impedance	>16 Ohm
Earphone output	13 mW

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Transducer	Electret-condenser
Polar pattern	Uni-directional
Operating voltage	5 VDC
Sensitivity	-46 dBV/Pa
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Stem length	330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8668BCE_B   Paperless Multimedia Congress Terminal (tabletop, chairman unit, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 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, video source selection, HCS-1082 series E-ink nameplate can be connected, support PoE, Braille, black)

HCS-8668BDE
Paperless Multimedia Congress Terminal

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.

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 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**
- **Based on TAIDEN originated MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **Pluggable microphone**
- **Bi-color LED indicator on the rear plate to display request to speak or speaking status**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, 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)**
- **Built-in contactless IC-Card slot**
- **Braille indicators for visually impaired**
- **DC or PoE power supply**
- **Internet access**
- **Video source selection**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

- Compliant to ISO 22259
- 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
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, 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
    - 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 USB disk
- Conference service:
  - Short messages reader and editor
  - Call service, call secretary
- Multiple channel video source selection with 1920×1080 resolution
- 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, built-in 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
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Braille is present for all physical buttons

- Every congress 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/Request/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
    - "Request" 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 the MU limitation (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
- Bi-color LED indicator on the rear plate to display request to speak or speaking status
- Channel select buttons
- Headphones volume up and down buttons
- Microphone On/Off button with indicator
- Three voting buttons with indicators
- Four buttons for video selection

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- USB interface (on the rear) for uploading or backing up files, or connecting to mouse or keyboard
- USB interface (on the bottom) for connection HCS-1082 series E-ink nameplate
- 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: supporting PoE connection of each RJ45 port

Technical Specifications

Electrical

Max. consumption	14 W

LCD

Type	True color TFT LCD
Dimension	14 inches, 16:9
Resolution	1920×1080
Display color	2^{18}(18 bit)
Contrast	800:1

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 headphones

Mechanical

Mounting	Tabletop
Dimensions (h × w × d) (w/o microphone)	194 ×447 × 123 mm
Weight (incl. stem microphone)	2.5 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8668BDE_B   Paperless Multimedia Congress Terminal (tabletop, delegate unit, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 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, video source selection, HCS-1082 series E-ink nameplate can be connected, support PoE, Braille, black)

HCS-8668BDD
Paperless Multimedia Congress Terminal

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.

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 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**
- **Based on TAIDEN originated MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **Dual pluggable microphones**
- **Bi-color LED indicator on the rear plate to display request to speak or speaking status**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, 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)**
- **Braille indicators for visually impaired**
- **DC or PoE power supply**
- **Internet access**
- **Video source selection**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

- Compliant to ISO 22259
- 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
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, 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
    - ▪ 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 USB disk
- Conference service:
  - ♦ Short messages reader and editor
  - ♦ Call service, call secretary
- Multiple channel video source selection with 1920×1080 resolution
- 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, built-in 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
- Braille is present for all physical buttons
- Every congress 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/Request/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
    - · "Request" 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 the MU limitation (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
- Bi-color LED indicator on the rear plate to display request to speak or speaking status
- Channel select buttons
- Headphones volume up and down buttons
- Microphone On/Off button with indicator
- Four buttons for video selection

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- USB interface (on the rear) for uploading or backing up files, or connecting to mouse or keyboard
- USB interface (on the bottom) for connection HCS-1082 series E-ink nameplate
- 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: supporting PoE connection of each RJ45 port

Technical Specifications

Electrical

Max. consumption	14 W

LCD

Type	True color TFT LCD
Dimension	14 inches, 16:9
Resolution	1920×1080
Display color	2^{18}(18 bit)
Contrast	800:1

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 headphones

Mechanical

Mounting	Tabletop
Dimensions (h × w × d) (w/o microphone)	194 ×447 × 123 mm
Weight (incl. stem microphone)	2.5 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8668BDD_B Paperless Multimedia Congress Terminal (tabletop, delegate unit, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, dual stem microphones, speech, voting, 64 CHs, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, internet access, video source selection, HCS-1082 series E-ink nameplate can be connected, support PoE, Braille, black)

HCS-8638ACE/50
Multimedia Congress Terminal

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1920×1200) 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 1920×1200 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

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 (1920×1200), 16:10 display ratio offers better document reading experience**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **8-megapixel camera with flashlight**
- **Based on TAIDEN originated MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **Priority button**
- **Pluggable microphone**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, 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)**
- **Built-in fingerprint identification module**
- **Braille indicators for visually impaired**
- **DC or PoE power supply**
- **Internet access**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

- Compliant to ISO 22259
- 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 10" LCD (1920×1200), capacitive touch panel and an integrated 8 megapixel camera
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, 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 1920×1200 resolution)
  - ♦ Video display function:
    - ▪ The large hall screen video can be displayed on the Congress Terminals through video encoder and video server
    - ▪ 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 USB disk
- ■ Conference service:
  - ♦ Short messages reader and editor
  - ♦ Call service, call secretary
- ■ Multiple channel video source selection with 1920×1200 resolution
- ■ 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, built-in 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
- ■ Built-in fingerprint identification module
- ■ Braille is present for all physical buttons
- ■ Every congress 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/Request/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
    - · "Request" 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
- ■ Chairman unit: features all delegate functions, additionally:
  - ♦ Activation at any time (if the number of active microphones in the system is less than 8)
  - ♦ 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
  - ♦ Controls voting start and stop
  - ♦ Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- ■ 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)
- ■ 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 icons
- ■ Headphones volume up and down icons
- ■ Microphone On/Off button with indicator
- ■ Priority button with indicator
- ■ Three voting buttons with indicators

Interconnections

- ■ 2 × Ø 3.5 mm stereo headphone jack with volume control
- ■ USB interface (on the rear) for uploading or backing up files, or connecting to mouse or keyboard
- ■ USB interface (on the bottom) for connection HCS-1082 series E-ink nameplate

- 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: supporting PoE connection of each RJ45 port

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1920×1200
Display color	2^{24}(24 bit)
Contrast	1000:1

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 headphones

Mechanical

Mounting	Tabletop
Dimensions (h × w × d) (w/o microphone)	155 ×360 × 110 mm
Weight (incl. microphone)	1.7 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8638ACE/50   Paperless Multimedia Congress Terminal (tabletop, chairman unit, 10" 1920×1200 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, fingerprint identification, internet access, HCS-1082 series E-ink nameplate can be connected, support PoE, Braille, black)

HCS-8638ADE/50
Paperless Multimedia Congress Terminal

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1920×1200) 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 1920×1200 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

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 (1920×1200), 16:10 display ratio offers better document reading experience**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **8-megapixel camera with flashlight**
- **Based on TAIDEN originated MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **Pluggable microphone**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, 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)**
- **Built-in fingerprint identification module**
- **Braille indicators for visually impaired**
- **DC or PoE power supply**
- **Internet access**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

- Compliant to ISO 22259
- 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 10" LCD (1920×1200), capacitive touch panel and an integrated 8 megapixel camera
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, 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 1920×1200 resolution)
  - ♦ Video display function:
    - ▪ The large hall screen video can be displayed on the Congress Terminals through video encoder and video server
    - ▪ 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 USB disk
- Conference service:
  - ♦ Short messages reader and editor
  - ♦ Call service, call secretary
- Multiple channel video source selection with 1920×1200 resolution
- 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, built-in 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
- Built-in fingerprint identification module
- Braille is present for all physical buttons

- Every congress 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/Request/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
    - · "Request" 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 the MU limitation (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 icons
- Headphones volume up and down icons
- Microphone On/Off button with indicator
- Three voting buttons with indicators

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- USB interface (on the rear) for uploading or backing up files, or connecting to mouse or keyboard
- USB interface (on the bottom) for connection HCS-1082 series E-ink nameplate
- 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: supporting PoE connection of each RJ45 port

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1920×1200
Display color	2^{24}(24 bit)
Contrast	1000:1

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 headphones

Mechanical

Mounting	Tabletop
Dimensions (h × w × d) (w/o microphone)	155 ×360 × 110 mm
Weight (incl. microphone)	1.7 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8638ADE/50 Paperless Multimedia Congress Terminal (tabletop, delegate unit, 10" 1920×1200 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, fingerprint identification, internet access, HCS-1082 series E-ink nameplate can be connected, support PoE, Braille, black)

HCS-8638BCE/50
Paperless Multimedia Congress Terminal

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1920×1200) 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 1920×1200 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

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 (1920×1200), 16:10 display ratio offers better document reading experience**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **8-megapixel camera with flashlight**
- **Based on TAIDEN originated MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **Priority button**
- **Pluggable microphone**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, 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)**
- **Built-in contactless IC-Card slot**
- **Braille indicators for visually impaired**
- **DC or PoE power supply**
- **Internet access**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

- Compliant to ISO 22259
- 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 10" LCD (1920×1200), capacitive touch panel and an integrated 8 megapixel camera
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, 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 1920×1200 resolution)
  - ♦ Video display function:
    - ▪ The large hall screen video can be displayed on the Congress Terminals through video encoder and video server
    - ▪ 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 USB disk
- ■ Conference service:
  - ♦ Short messages reader and editor
  - ♦ Call service, call secretary
- ■ Multiple channel video source selection with 1920×1200 resolution
- ■ 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, built-in 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
- ■ Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- ■ Braille is present for all physical buttons

- ■ Every congress 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/Request/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
    - · "Request" 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
- ■ Chairman unit: features all delegate functions, additionally:
  - ♦ Activation at any time (if the number of active microphones in the system is less than 8)
  - ♦ 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
  - ♦ Controls voting start and stop
  - ♦ Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- ■ 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)
- ■ 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 icons
- ■ Headphones volume up and down icons
- ■ Microphone On/Off button with indicator
- ■ Priority button with indicator
- ■ Three voting buttons with indicators

Interconnections

- ■ 2 × Ø 3.5 mm stereo headphone jack with volume control
- ■ USB interface (on the rear) for uploading or backing up files, or connecting to mouse or keyboard
- ■ USB interface (on the bottom) for connection HCS-1082 series E-ink nameplate

- 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: supporting PoE connection of each RJ45 port

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1920×1200
Display color	2^{24}(24 bit)
Contrast	1000:1

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 headphones

Mechanical

Mounting	Tabletop
Dimensions (h × w × d) (w/o microphone)	155 ×360 × 110 mm
Weight (incl. microphone)	1.7 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8638BCE/50   Paperless Multimedia Congress Terminal (tabletop, chairman unit, 10" 1920×1200 LCD, capacitive touch panel, camera with 8 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, HCS-1082 series E-ink nameplate can be connected, support PoE, Braille, black)

HCS-8638BDE/50
Paperless Multimedia Congress Terminal

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 10" high-resolution (1920×1200) 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 1920×1200 resolution) and broadcasting, short message, call service, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

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 (1920×1200), 16:10 display ratio offers better document reading experience**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **8-megapixel camera with flashlight**
- **Based on TAIDEN originated MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **Pluggable microphone**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, 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)**
- **Built-in contactless IC-Card slot**
- **Braille indicators for visually impaired**
- **DC or PoE power supply**
- **Internet access**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

- Compliant to ISO 22259
- 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 10" LCD (1920×1200), capacitive touch panel and an integrated 8 megapixel camera
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, 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 1920×1200 resolution)
  - ♦ Video display function:
    - ▪ The large hall screen video can be displayed on the Congress Terminals through video encoder and video server
    - ▪ 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 USB disk
- Conference service:
  - ♦ Short messages reader and editor
  - ♦ Call service, call secretary
- Multiple channel video source selection with 1920×1200 resolution
- 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, built-in 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
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Braille is present for all physical buttons

- Every congress 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/Request/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
    - · "Request" 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 the MU limitation (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 icons
- Headphones volume up and down icons
- Microphone On/Off button with indicator
- Three voting buttons with indicators

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- USB interface (on the rear) for uploading or backing up files, or connecting to mouse or keyboard
- USB interface (on the bottom) for connection HCS-1082 series E-ink nameplate
- 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: supporting PoE connection of each RJ45 port

Technical Specifications

Electrical

Max. consumption .... 10 W

LCD

Type .... True color TFT LCD
Dimension .... 10 inches, 16:10
Resolution .... 1920×1200
Display color .... 2^{24}(24 bit)
Contrast 1000:1

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 headphones

Mechanical

Mounting .... Tabletop
Dimensions (h × w × d) (w/o microphone) ...... 155 ×360 × 110 mm
Weight (incl. microphone) .... 1.7 kg
Color .... Black (PANTONE 419 C)
Stem length .... 330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8638BDE/50 ...... Paperless Multimedia Congress Terminal (tabletop, delegate unit, 10" 1920×1200 LCD, capacitive touch panel, camera with 8 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, HCS-1082 series E-ink nameplate can be connected, support PoE, Braille, black)

HCS-8665CE Compact Multimedia Congress Terminal

The stylish and ergonomically designed Chairman Unit is equipped with a 14" high-resolution (1920×1080) LCD. It realizes speech, vote, simultaneous interpretation, sign-in, video display, multiple channel video source selection with 1920×1080 resolution, etc.

Similar in appearance to HCS-8665DE Delegate Unit, the HCS-8665CE 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.

Features

- **Stylish and ergonomic design**
- **Equipped with a 14" TFT LCD, 1920×1080 high-resolution**
- **Supporting HDMI high definition digital video display, HDCP1.4**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **Based on TAIDEN originated MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **Priority button**
- **Pluggable microphone**
- **Bi-color LED indicator on the rear plate to display request to speak or speaking status**
- **64 CHs interpretation with volume control**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, 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)**
- **Built-in contactless IC-Card slot**
- **Braille indicators for visually impaired**
- **PoE power supply**
- **HCS-1082 series E-ink Nameplate can be connected**
- **Video source selection**

Functions

- Compliant to ISO 22259
- Equipped with a 14" TFT LCD, 1920×1080 high-resolution
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Multiple channel video source selection with 1920×1080 resolution
- 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, built-in 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 (earphone needed)
- E-ink Nameplate can be connected
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Braille is present for all physical buttons
- 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/Request/PTT
  - Simultaneous interpretation

- 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 8)
  - 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
- 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 14" TFT LCD
- Graphic 128x36 OLED for displaying channel number and language name
- Uni-directional electret condenser microphone with two–color illuminated ring
- Bi-color LED indicator on the rear plate to display request to speak or speaking status
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- Microphone On/Off button with indicator
- Priority button with indicator
- Four buttons for video selection

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- USB interface (on the rear) for uploading or backing up files, or connecting to mouse or keyboard
- USB interface (on the bottom) for connection HCS-1082 series E-ink nameplate
- HDMI input
- PoE: Supporting redundant PoE connection with dual PoE connectors

Technical Specifications

Electrical

LCD

Type	True color TFT LCD
Dimension	14 inches, 16:9
Resolution	1920×1080
Display colors	262K color
Contrast	800:1

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 headphones

Mechanical

Mounting	Tabletop
Dimensions (h × w × d) (w/o microphone)	194 ×447 × 123 mm
Color	Black (PANTONE 419 C)
Weight (incl. stem microphone)	2.5 kg
Stem length	330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8665CE_B — Compact Multimedia Congress Terminal (tabletop, chairman unit, 14" 1920×1080 LCD, 128x36 OLED, speech, voting, 64 CHs, HD video display, HDMI input, built-in contactless IC-Card reader, HCS-1082 series E-ink nameplate can be connected, support PoE, Braille, black)

HCS-8665DE Compact Multimedia Congress Terminal

The delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, listening, voting, selecting language channels, video display, multiple channel video source selection with 1920×1080 resolution, etc. and it offers excellent immunity to RF interferences from mobile phones. It features channel selector with automatic limitation to the number of language channels available.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Features

- **Stylish and ergonomic design**
- **Equipped with a 14" TFT LCD, 1920×1080 high-resolution**
- **Supporting HDMI high definition digital video display**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **Based on TAIDEN originated MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **Pluggable microphone**
- **Bi-color LED indicator on the rear plate to display request to speak or speaking status**
- **64 CHs interpretation with volume control**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, 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)**
- **Built-in contactless IC-Card slot**
- **Braille indicators for visually impaired**
- **PoE power supply**
- **HCS-1082 series E-ink Nameplate can be connected**
- **Video source selection**

Functions

- Compliant to ISO 22259
- Equipped with a 14" TFT LCD, 1920×1080 high-resolution
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Multiple channel video source selection with 1920×1080 resolution
- 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, built-in 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 (earphone needed)
- E-ink Nameplate can be connected
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Braille is present for all physical buttons
- 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/Request/PTT
  - Simultaneous interpretation
- 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 the MU limitation (incl. chairman/delegate/VIP unit)

Controls and Indicators

■ Graphic 14" TFT LCD

■ Graphic 128x36 OLED for displaying channel number and language name

■ Uni-directional electret condenser microphone with two–color illuminated ring

■ Bi-color LED indicator on the rear plate to display request to speak or speaking status

■ Channel select buttons

■ Headphones volume up and down

■ Three voting buttons with indicators

■ Microphone On/Off button with indicator

■ Four buttons for video selection

Interconnections

■ 2 × Ø 3.5 mm stereo headphone jack with volume control

■ USB interface (on the rear) for uploading or backing up files, or connecting to mouse or keyboard

■ USB interface (on the bottom) for connection HCS-1082 series E-ink nameplate

■ HDMI input

■ PoE: Supporting redundant PoE connection with dual PoE connectors

Technical Specifications

Electrical

LCD

Type	True color TFT LCD
Dimension	14 inches, 16:9
Resolution	1920×1080
Display colors	262K color
Contrast	800:1

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 headphones

Mechanical

Mounting	Tabletop
Dimensions (h × w × d) (w/o microphone)	194 ×447 × 123 mm
Color	Black (PANTONE 419 C)
Weight (incl. stem microphone)	2.5 kg
Stem length	330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8665DE_B   Compact Multimedia Congress Terminal (tabletop, delegate unit, 14" 1920×1080 LCD, 128x36 OLED, speech, voting, 64 CHs, HD video display, HDMI input, built-in contactless IC-Card reader, HCS-1082 series E-ink nameplate can be connected, support PoE, Braille, black)

HCS-8665MON
Multi-channel Video Monitor

Ordering Information

HCS-8665MON_B .... Multi-channel Video Monitor (tabletop, 14" 1920×1080 LCD, HD video display, HDMI input, support PoE, Braille, black)

Features

■   **Stylish and ergonomic design**

■   **Equipped with a 14" TFT LCD, 1920×1080 high-resolution**

■   **Supporting HDMI high definition digital video display**

■   **Video source selection**

■   **Excellent immunity to RF interferences from mobile phones**

■   **Supporting "PnP" (plug and play)**

■   **Braille indicators for visually impaired**

■   **PoE power supply**

Controls and Indicators

■   Graphic 14" TFT LCD

■   Four buttons for video selection

Interconnections

■   RJ45 sockets support PoE

■   HDMI input

Technical Specifications

Electrical

LCD

Type	True color TFT LCD
Dimension	14 inches, 16:9
Resolution	1920×1080
Display colors	262K color
Contrast	800:1

Mechanical

Mounting	Tabletop
Dimensions (h × w × d)	194 ×447 × 123 mm
Color	Black (PANTONE 419 C)
Weight	2.4 kg

HCS-8635C
Compact Multimedia Congress Terminal

Features

- **Stylish and ergonomic design**
- **Equipped with a 10" TFT LCD, 1280×800 high-resolution**
- **Supporting SDI high definition digital video display**
- **With video format converter/processor, more video signal (HDMI, VGA, CVBS, DVI, etc.) can be supported**
- **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**
- **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**
- **Braille indicators for visually impaired**

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-8635D Delegate Unit, the HCS-8635C 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 ISO 22259
- Equipped with a 10" TFT LCD, 1280×800 high-resolution
- Supporting SDI high definition digital video display
- With video format converter/processor, more video signal (HDMI, VGA, CVBS, DVI, etc.) can be supported
- 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
- 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, built-in 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
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Braille is present for all physical buttons
- 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/Request/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
    - "Request" 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
  - 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
- Short messages reader

- Chairman unit: features all delegate functions, additionally:
  - Activation at any time (if the number of active microphones in the system is less than 8)
  - 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
  - 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
- 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
- SDI input
- SDI output
- 2 × RJ45 socket for daisy chain connection (recommended use of cat5e cable with a drain wire & RJ45 plug with metal shield)

Technical Specifications

Electrical

Max. consumption	8 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1280×800
Display color	2^{18} (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	2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Tabletop
Dimensions (h × w × d) (w/o microphone)	155 ×360 × 110 mm
Weight (incl. microphone)	1.7 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8635CE_B   Compact Multimedia Congress Terminal (tabletop, chairman unit, 10" 1280×800 LCD, speech, voting, 64 CHs, HD video display, SDI input and loop output, built-in contactless IC-Card reader, Braille, black)

HCS-8635D
Compact Multimedia Congress Terminal

Features

- **Stylish and ergonomic design**
- **Equipped with a 10" TFT LCD, 1280×800 high-resolution**
- **Supporting SDI high definition digital video display**
- **With video format converter/processor, more video signal (HDMI, VGA, CVBS, DVI, etc.) can be supported**
- **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**
- **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)**
- **Braille indicators for visually impaired**

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 ISO 22259
- Equipped with a 10" TFT LCD, 1280×800 high-resolution
- Supporting SDI high definition digital video display
- With video format converter/processor, more video signal (HDMI, VGA, CVBS, DVI, etc.) can be supported
- 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
- 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, built-in 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
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Braille is present for all physical buttons
- 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/Request/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
    - "Request" 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
  - 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
- Short messages reader

■ 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 the MU limitation (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
- ■ Three voting buttons with indicators
- ■ Microphone On/Off button

Interconnections

- ■ 2 × Ø 3.5 mm stereo headphone jack with volume control
- ■ SDI input
- ■ SDI output
- ■ 2 × RJ45 socket for daisy chain connection (recommended use of cat5e cable with a drain wire & RJ45 plug with metal shield)

Technical Specifications

Electrical

Max. consumption	8 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1280×800
Display color	2^{18} (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	2 × Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Tabletop
Dimensions (h × w × d) (w/o microphone)	155 ×360 × 110 mm
Weight (incl. microphone)	1.7 kg
Weight (incl. stem microphone)	2.8 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 410 mm, 470 mm

Ordering Information

HCS-8635DE_B   Compact Multimedia Congress Terminal (tabletop, delegate unit, 10" 1280×800 LCD, speech, voting, 64 CHs, HD video display, SDI input and loop output, built-in contactless IC-Card reader, Braille, black)

HCS-8685 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**
- **6.8" 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-8385/80 Interpreter Unit provides up to 64 CHs language channels. It is composed of a 6.8" 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
- 6.8″ 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), 410 mm, 470 mm

Ordering Information

HCS-8685	New Generation Fully Digital Congress System Interpreter Unit (64 CHs, 6.8" TFT LCD, microphone, loudspeaker)

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 × 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 etachable   Earshells)

HCS-8600MA
Congress Main Unit

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).

Features

■ **Based on ingenious CongressMatrix^TM technology, integrated (n+8)×26 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**

■ **Connection facility for an additional condenser or dynamic microphone, expanding user's application spectrum**

■ **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**

■ **2.8" LCD display for status information and configuration**

■ **Rotary control to navigate through the LCD menus**

■ **With web page control function, main unit's parameters can be set through web browser**

Functions

■ Compliant to ISO 22259

■ Based on ingenious CongressMatrix^TM technology, integrated (n+8)×26 audio matrix processor (n is the number of microphones opened in the system)

  ♦ 26 discrete audio outputs, including:

   • Line 1~2 output: 31 band graphical EQ (preset three bandwidth for fast selection: narrow band, normal and wide band) + DRC (dynamic range compressor) + time delay (maximum delay time is 1 s)

   • AES 1~2 output: 31 band graphical EQ (preset three bandwidth for fast selection: narrow band, normal and wide band) + DRC (dynamic range compressor)

   • Group output 1~6: 15 band graphical EQ (preset three bandwidth for fast selection: narrow band, normal and wide band) + DRC (dynamic range compressor) + time delay (maximum delay time is 1 s)

   • USB 1~2 output: 8 band parameterized EQ + DRC (dynamic range compressor)

   • Dante 1~16 output: 8 band parameterized EQ + DRC (dynamic range compressor)

  ♦ Connectable to a multi channel independent PA system. 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

  ♦ 26 channels audio 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

  ♦ Integrated voice enhance and howling suppression function for each microphone to improve sound effects

- ♦ 2 audio line in (Line/Dante) + 2 AES in (AES/Dante) + 2 USB in (USB/Dante) +2 Dante in, or 1 audio line in (Line/Dante) + 1 microphone input + 2 AES in (AES/Dante) + 2 USB in (USB/Dante) +2 Dante in, gain and EQ for each input adjustable separately. +48 V phantom power supply at microphone input, condenser microphone can be connected directly, maximum supports 8 Dante inputs
  - ♦ Real – time display of input and output level
  - ♦ Three audio modes for selection: normal mode, teleconferencing mode and external processor mode
  - ♦ Supports for configuration scene saving, calling and switching
  - ♦ 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 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
- ■ An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- ■ Set any delegate unit to be VIP unit, VIP unit can be activated as long as the total of active microphones is not beyond 8
- ■ Built-in multi-channel intercom facility
- ■ Connection facility for additional condenser or dynamic microphones, expanding user's application spectrum (HCS-8600MIO series)
- ■ If additional contribution units are connected for system expansion, additional Congress Extension Main Units HCS-8600MEA 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 Audio Input & Output Device (several units cascadable), 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 (1~8) of delegates permitted to speak at the same time
  - ♦ Set-up of speaking time limitation (1~240 minutes)
  - ♦ Speak mode: Open/Override/Voice/Request/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
- · "Request" 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-8600 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
- ■ With web page control function, main unit's parameters can be set through web browser
- ■ Supports Dante, an uncompressed, multi-channel digital media networking technology, with near-zero latency and synchronization
- ■ 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
- ■ Built-in unit detection facilities: detect the unit's microphone, LEDs and 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

- 2.8'' LCD displays status and menu of the system configuration, supporting multi-language menu
- Rotary control to navigate through the LCD menus
- Power switch
- Standby switch with indicator

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
- 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)
- 2 × RJ45 standard socket (output) for connection with a Congress Extension Main Unit (EXTENSION)
- 2 × outlet (8P-DIN) trunk-line cable outlet

Technical Specifications

Electrical

Frequency response	30 Hz to 20 kHz
SNR	≥100 dBA
Dynamic range	≥94 dB
Isolation	≥90 dB
THD	≤0.05%
Power supply	100 V - 240 V AC, 50/60 Hz
Max. consumption	500 W
RS232 connection	9-pole Sub-D female socket
Net connection	RJ45 socket

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	95 × 480 × 418 mm
For 19" rack use	88 × 480 × 418 mm
Weight	7.8 kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8600MA — Fully Digital Congress System Main Unit (discussion, voting, 64 CHs, single-mode optical fiber interface, AES/EBU digital input/output, Dante interface, Mic. group output)

HCS-8600MBU
Congress Main Unit

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).

Features

■ **Based on ingenious CongressMatrix™ technology, integrated (n+8)×10 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**

■ **Equipped with optical fiber interface to combine two widely separated conference rooms to form one unique coherent system**

■ **Connection facility for an additional condenser or dynamic microphone, expanding user's application spectrum**

■ **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**

■ **2.8" LCD display for status information and configuration**

■ **Rotary control to navigate through the LCD menus**

■ **With web page control function, main unit's parameters can be set through web browser**

Functions

■ Compliant to ISO 22259

■ Based on ingenious CongressMatrix™ technology, integrated (n+8)×10 audio matrix processor (n is the number of microphones opened in the system)

    ♦ 10 discrete audio outputs, including:

        ・ Line 1~2 output: 31 band graphical EQ (preset three bandwidth for fast selection: narrow band, normal and wide band) + DRC (dynamic range compressor) + time delay (maximum delay time is 1 s)

        ・ Group output 1~6: 15 band graphical EQ (preset three bandwidth for fast selection: narrow band, normal and wide band) + 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)

        ・ USB 1~2 output: 8 band parameterized EQ + DRC (dynamic range compressor)

    ♦ Connectable to a multi channel independent PA system. 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

    ♦ 10 channels audio 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

    ♦ Integrated voice enhance and howling suppression function for each microphone to improve sound effects

    ♦ 2 audio line in+ 2 USB in, or 1 audio line in + 1 microphone input + 2 USB in, gain and EQ for each input adjustable separately. +48 V phantom power supply at microphone input, condenser microphone can be connected directly

    ♦ Real –time display of input and output level

    ♦ Three audio modes for selection: normal mode, teleconferencing mode and external processor mode

    ♦ Supports for configuration scene saving, calling and switching

- ♦ 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 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
- ■ An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- ■ Set any delegate unit to be VIP unit, VIP unit can be activated as long as the total of active microphones is not beyond 8
- ■ Built-in multi-channel intercom facility
- ■ Connection facility for additional condenser or dynamic microphones, expanding user's application spectrum (HCS-8600MIO series)
- ■ If additional contribution units are connected for system expansion, additional Congress Extension Main Units 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 Audio Input & Output Device (several units cascadable), 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 (1~8) of delegates permitted to speak at the same time
  - ♦ Set-up of speaking time limitation (1~240 minutes)
  - ♦ Speak mode: Open/Override/Voice/Request/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
    - · "Request" 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-8600 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
- ■ With web page control function, main unit's parameters can be set through web browser
- ■ USB interface is equipped on main unit for conference audio recording and playback
- ■ HDMI interface are equipped on main unit for HD video input and loop output
- ■ 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
- ■ Built-in unit detection facilities: detect the unit's microphone, LEDs and 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

- ■ 2.8'' LCD displays status and menu of the system configuration, supporting multi-language menu
- ■ Rotary control to navigate through the LCD menus
- ■ Power switch
- ■ Standby switch with indicator

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
- RS232 port for connection to central control system and system diagnosis each
- Duplex SC single-mode optical fiber interface to combine two widely separated conference rooms and to operate as one unique coherent system
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)
- 2 × RJ45 standard socket (output) for connection with a Congress Extension Main Unit (EXTENSION)
- 2 × outlet (8P-DIN) trunk-line cable outlet
- USB interface for conference audio recording and playback
- HDMI interface for HD video input and loop output
- One Ø 3.5 mm headphone jack for audio monitor

Technical Specifications

Electrical

Frequency response	30 Hz to 20 kHz
SNR	≥100 dBA
Dynamic range	≥94 dB
Isolation	≥90 dB
THD	≤0.05%
Power supply	100 V - 240 V AC, 50/60 Hz
Max. consumption	500 W
RS232 connection	9-pole Sub-D female socket
Net connection	RJ45 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	95 × 480 × 418 mm
For 19" rack use	88 × 480 × 418 mm
Weight	7.8 kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8600MBU — Fully Digital Congress System Main Unit (discussion, voting, 64 CHs, single-mode optical fiber interface, Mic. group output, HDMI input and loop output, USB recording)

HCS-8600MB
Congress Main Unit

Features

- **Based on ingenious CongressMatrix^{TM} technology, integrated (n+8)×10 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**
- **Equipped with optical fiber interface to combine two widely separated conference rooms to form one unique coherent system**
- **Connection facility for an additional condenser or dynamic microphone, expanding user's application spectrum**
- **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**
- **2.8" LCD display for status information and configuration**
- **Rotary control to navigate through the LCD menus**
- **With web page control function, main unit's parameters can be set through web browser**

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 ISO 22259
- Based on ingenious CongressMatrix^{TM} technology, integrated (n+8)×10 audio matrix processor (n is the number of microphones opened in the system)
  - 10 discrete audio outputs, including:
    - Line 1~2 output: 31 band graphical EQ (preset three bandwidth for fast selection: narrow band, normal and wide band) + DRC (dynamic range compressor) + time delay (maximum delay time is 1 s)
    - Group output 1~6: 15 band graphical EQ (preset three bandwidth for fast selection: narrow band, normal and wide band) + 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)
    - USB 1~2 output: 8 band parameterized EQ + DRC (dynamic range compressor)
  - Connectable to a multi channel independent PA system. 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
  - 10 channels audio 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
  - Integrated voice enhance and howling suppression function for each microphone to improve sound effects
  - 2 audio line in+ 2 USB in, or 1 audio line in + 1 microphone input + 2 USB in, gain and EQ for each input adjustable separately. +48 V phantom power supply at microphone input, condenser microphone can be connected directly
  - Real –time display of input and output level
  - Three audio modes for selection: normal mode, teleconferencing mode and external processor mode
  - Supports for configuration scene saving, calling and switching

- ♦ 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 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
- ■ An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- ■ Set any delegate unit to be VIP unit, VIP unit can be activated as long as the total of active microphones is not beyond 8
- ■ Built-in multi-channel intercom facility
- ■ Connection facility for additional condenser or dynamic microphones, expanding user's application spectrum (HCS-8600MIO series)
- ■ If additional contribution units are connected for system expansion, additional Congress Extension Main Units 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 Audio Input & Output Device (several units cascadable), 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 (1~8) of delegates permitted to speak at the same time
  - ♦ Set-up of speaking time limitation (1~240 minutes)
  - ♦ Speak mode: Open/Override/Voice/Request/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
    - · "Request" 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-8600 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
- ■ With web page control function, main unit's parameters can be set through web browser
- ■ 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
- ■ Built-in unit detection facilities: detect the unit's microphone, LEDs and 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

- ■ 2.8'' LCD displays status and menu of the system configuration, supporting multi-language menu
- ■ Rotary control to navigate through the LCD menus
- ■ Power switch
- ■ Standby switch with indicator

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
- RS232 port for connection to central control system and system diagnosis each
- Duplex SC single-mode optical fiber interface to combine two widely separated conference rooms and to operate as one unique coherent system
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)
- 2 × RJ45 standard socket (output) for connection with a Congress Extension Main Unit (EXTENSION)
- 2 × outlet (8P-DIN) trunk-line cable outlet

Technical Specifications

Electrical

Frequency response	30 Hz to 20 kHz
SNR	≥100 dBA
Dynamic range	≥94 dB
Isolation	≥90 dB
THD	≤0.05%
Power supply	100 V - 240 V AC, 50/60 Hz
Max. consumption	500 W
RS232 connection	9-pole Sub-D female socket
Net connection	RJ45 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	95 × 480 × 418 mm
For 19" rack use	88 × 480 × 418 mm
Weight	7.8 kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8600MB	Fully Digital Congress System Main Unit (discussion, voting, 64 CHs, single-mode optical fiber interface, Mic. group output)

HCS-8600MEA2
Congress Extension Main Unit

The maximum capacity of HCS-8600M series CMU is limited. If extra contribution units are needed, HCS-8600MEA series Congress Extension Main Unit(s) must be added. The outlet connectors of both are identical. Each HCS-8600MEA has two EXTENSION IN interfaces used to connect HCS-8600M series CMU or a preceding Congress Extension Main Unit, and an EXTENSION OUT interface for the next Congress Extension Main Unit.

Functions

- Compliant to ISO 22259
- Cooperates with HCS-8600M 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
- Dual backup power inputs. In case the main power net malfunctions, the backup power net can take over to ensure an uninterrupted meeting flow
- In cooperation with the Congress Main Unit and a central control system, central control of the whole system power can be realized

Interconnections

- 5 × (8P-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
- Equipped with two power inputs for main input and backup input

Technical Specifications

Electrical

Power supply	100 V - 240 V AC, 50/60 Hz
Power consumption	500 W

Mechanical

Mounting	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet	48 × 480 × 288 mm
For 19" rack use	45 × 480 × 288 mm
Weight	3.6 kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8600MEA2   Fully Digital Congress System Extension Main Unit (dual backup power inputs，with 2 single-mode optical fiber interfaces, 5 congress unit outlets)

HCS-8600MEA
Congress Extension Main Unit

The maximum capacity of HCS-8600M series CMU is limited. If extra contribution units are needed, HCS-8600MEA series Congress Extension Main Unit(s) must be added. The outlet connectors of both are identical. Each HCS-8600MEA has two EXTENSION IN interfaces used to connect HCS-8600M series CMU or a preceding Congress Extension Main Unit, and an EXTENSION OUT interface for the next Congress Extension Main Unit.

Functions

■ Compliant to ISO 22259

■ Cooperates with HCS-8600M 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

■ 5 × (8P-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 .... 100 V - 240 V AC, 50/60 Hz
Power consumption .... 500 W

Mechanical

Mounting .... Tabletop or mounted in a 19" rack
Dimensions (h × w × d)
  For table use, with feet .... 48 × 480 × 288 mm
  For 19" rack use .... 45 × 480 × 288 mm
Weight .... 3.6 kg
Color .... Black (PANTONE 419 C)

Ordering Information

HCS-8600MEA .... Fully Digital Congress System Extension Main Unit (with 2 single-mode optical fiber interfaces, 5 congress unit outlets)

HCS-8600MES
Congress Extension Unit

Functions

- Based on TAIDEN company originated MCA-STREAM digital audio processing and transmitting technology
- Compliant to ISO 22259
- Cooperates with HCS-8600M or HCS-4800M 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 × 8P-DIN trunk-line cable outlet, connection cable length should be less than 80 meters
- 1 × 8P-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 × 8P-DIN socket (output) for connection with the next HCS-8600MES, 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	200 W

Mechanical

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

Ordering Information

HCS-8600MES	Fully Digital Congress System Extension Unit (3 congress unit outlets)
HCS-MES-RCF	Rack Cabinet Frame (1 HCS-8600MES or 1 HCS-8300MES Extension Unit can be installed)

HCS-8600MCLS   Loop switcher
and Cabinet installation accessory

Functions

- For "Closed Loop - Daisy Chain" connection
- Automatic judgment of the opening or closing of a loop
- Loop switcher open: open indicator on (Red)
- Loop switcher closed: close indicator on (Green)
- When the loop switcher is used, the number of conference units that can be connected to the CMU/EMU is reduced by half
- Mounting bracket (mounted in a 19" rack) can be chosen

Interconnections

- "TO MU" socket for connection to the primary CMU or EMU
- The other socket for connection to the secondary CMU or the congress unit

Technical Specifications

Mechanical

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

Ordering Information

HCS-8600MCLS	Loop switcher
HCS-MCLS-RCF	Rack Cabinet Frame (4 HCS-8600MCLS or HCS-8300MCLS Loop switchers can be installed)
HCS-MCLS-FC	Frame Cover (for HCS-MCLS-RCF)

HCS-8600KMX
Congress Gigabit Network Switcher

Ordering Information

HCS-8600KMX...............Congress Gigabit Network Switcher
(for HCS-8668/8638 series
paperless multimedia congress terminal)

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 HCS-8668/8638 series 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 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-8368/86** Series Paperless Multimedia Congress Terminal (via Cat.5e/Cat.6 cable)

■ 2 × 8P-DIN interface for connection with the Congress Main Unit or cascading to another HCS-8600KMX (equipped with CBL8PP-01 - 1-meter 8-pin extension cable with two plugs)

■ 3 × 2P aviation plug for supplying power to paperless 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..400 W

Mechanical

Mounting....................Tabletop or mounted in a 19" rack
Dimensions (h × w × d)
 For table use, with feet........................48 × 480 × 288 mm
 For 19" rack use................................45 × 480 × 288 mm
Weight..3.6 kg
Color..............................Black (PANTONE 419 C)

HCS-8600POE
Congress PoE 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 switch to choose work mode:
  - ♦ KMX mode: connecting DELEGATE ports to HCS-8668/8638 series congress terminals for power supply and transmission of conference data
  - ♦ Normal mode: connecting DELEGATE ports to HCS-8665 series congress terminals, HCS-1082N series E-ink electronic nameplates for power supply and conference data transmission
- Connecting DELEGATE ports to the Distributor HCS-8368T/50 to expand the number of units

Interconnections

- ETHERNET port
  - ♦ KMX mode: Connection with CMU or EMU
  - ♦ Normal mode: Null
- DELEGATE standard ports for connection with HCS-8668/8638/8665 Series Multimedia Terminals, HCS-1082N series E-ink Electronic Nameplates (via Cat.5e/Cat.6 cable)
- 2 × 8P-DIN interface for connection with the Congress Main Unit or cascading to another HCS-8600POE (equipped with CBL8PPD-01 - 1-meter 8-pin extension cable with two plugs)

Ordering Information

HCS-8600POE .... Congress PoE Network Switcher (supports PoE, KMX mode for HCS-8668/8638 series multimedia terminal, Normal mode for HCS-8665 series multimedia terminal and HCS-1082N series E-ink electronic nameplate)

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	400 W

Mechanical

Mounting	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet	48 × 480 × 288 mm
For 19" rack use	45 × 480 × 288 mm
Weight	3.6 kg
Color	Black (PANTONE 419 C)

HCS-8368T Distributor

Functions

- Extension of HCS-8368/8668/8638/8665 series tabletop congress terminal and HCS-1082 series E-ink nameplate in PoE mode

Interconnections

- 1 × RJ45 standard port for connection with HCS-8300KMX2, HCS-8600KMX or HCS-8600POE
- 7 × RJ45 standard port for connection with HCS-8368/8668/8638/8665 series tabletop congress terminal and HCS-1082 series E-ink nameplate on each port
- DC power 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)	40 × 150 × 100 mm
Color	Gray (PANTONE 425 C)
Weight	0.4 kg

Ordering Information

HCS-8368T	Distributor
	(for HCS-8368/8668/8638/8665 series congress terminal and HCS-1082 series E-ink nameplate)

HCS-8368T/50 Distributor

Functions

- Extension of HCS-8368/8668/8638/8665 series tabletop congress terminal and HCS-1082 series E-ink nameplate in PoE mode

Interconnections

- 1 × RJ45 standard port for connection with HCS-8300KMX2, HCS-8600KMX or HCS-8600POE
- 7 × RJ45 standard port for connection with HCS-8368/8668/8638/8665 series tabletop congress terminal and HCS-1082 series E-ink nameplate 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 HCS-8368/8668/8638/8665 series congress terminal and HCS-1082 series E-ink nameplate)

HCS-8600MIO/16AD
16 Channels Audio Input & Output Device

Functions

- 16 channels digital & analog audio inputs & outputs
- Supports Dante, an uncompressed, multi-channel digital media networking technology, with near-zero latency and synchronization
- With web page control function, parameters can be set through web browser
- Transmits multi digital/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
- Converts the digital audio signals of the Congress System to multi channel digital/analog audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- When the EXTENSION1 interface is set in PC mode, it can be used for network audio transmission, connecting to ASR system, etc.
- With web control function, detailed parameters can be set through web browser
  - ♦ Work as audio input device
    - · Set audio source
    - · Adjust input gain or set it mute
    - · Display input level in real-time
    - · Open phantom power for microphone
    - · Set input SI channel
    - · 5 band Parameterized EQ + DRC (dynamic range compressor)
    - · Supports for configuration scene saving, calling and switching
  - ♦ Work as audio output device
    - · Display audio source
    - · Adjust output gain
    - · Display output level in real-time
    - · Set output SI channel
    - · 5 band Parameterized EQ + DRC (dynamic range compressor)
    - · Set analog or digital output
    - · Supports for configuration scene saving, calling and switching
  - ♦ Work as BM mode: for booth management
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 132 × 32 LCD with back-lighting displays input & output channel number and language name, supporting multi-language menu
- Power switch with indicator

Interconnections

- 16 × 3-pin Phoenix connector for analog audio inputs (balanced)
- 16 × 3-pin Phoenix connector for analog audio outputs (balanced)
- Dante module for 16 channels digital audio transmission
- Duplex SC single-mode optical fiber interface and Extension interface for connection with Congress Main Unit (only one interface can be connected at the same time to the Main Unit)
- Extension interface for connection with the sequencing Congress Extension Main Unit or Audio Input & Output Device
- 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	≥100 dBA
Dynamic range	≥94 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: 16 × 3-pin Phoenix (Line in)	+8 dBu
Analog: 16 × 3-pin Phoenix (Mic. in)	-12 dBu
Input sensitivity adjustable range	-20 dB ~ +10 dB, mute

Max. audio outputs

Analog: 16 × 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	48 × 480 × 288 mm
For 19" rack use	45 × 480 × 288 mm
Weight	3.6 kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8600MIO/16AD 16 Channels Audio Input & Output Device (16 channels audio inputs & outputs, Dante interface, single-mode optical fiber interface)

HCS-8600MIO/08A
8 Channels Audio Input & Output Device

Functions

- 8 channels analog audio inputs & outputs
- With web page control function, parameters can be set through web browser
- Transmits multi 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
- 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
- When the EXTENSION1 interface is set in PC mode, it can be used for network audio transmission, connecting to ASR system, etc.
- With web control function, detailed parameters can be set through web browser
  - ◆ Work as audio input device
    - ・ Set audio source
    - ・ Adjust input gain or set it mute
    - ・ Display input level in real-time
    - ・ Open phantom power for microphone
    - ・ Set input SI channel
    - ・ 5 band Parameterized EQ + DRC (dynamic range compressor)
    - ・ Supports for configuration scene saving, calling and switching
  - ◆ Work as audio output device
    - ・ Display audio source
    - ・ Adjust output gain
    - ・ Display output level in real-time
    - ・ Set output SI channel
    - ・ 5 band Parameterized EQ + DRC (dynamic range compressor)
    - ・ Supports for configuration scene saving, calling and switching
  - ◆ Work as BM mode: for booth management
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 132 × 32 LCD with back-lighting displays input & output channel number and language name, supporting multi-language menu
- Power switch with indicator

Interconnections

- 8 × 3-pin Phoenix connector for analog audio inputs (balanced)
- 8 × 3-pin Phoenix connector for analog audio outputs (balanced)
- Duplex SC single-mode optical fiber interface and Extension interface for connection with Congress Main Unit (only one interface can be connected at the same time to the Main Unit)
- Extension interface for connection with the sequencing Congress Extension Main Unit or Audio Input & Output Device
- 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	≥100 dBA
Dynamic range	≥94 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 × 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

Max. audio outputs

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	48 × 480 × 288 mm
For 19" rack use	45 × 480 × 288 mm
Weight	3.6 kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8600MIO/08A — 8 Channels Audio Input & Output Device (8 channels audio inputs & outputs, single-mode optical fiber interface)

HCS-8600MIO/08D
8 Channels Audio Input & Output Device

Functions

- 8 channels digital audio inputs & outputs
- Supports Dante, an uncompressed, multi-channel digital media networking technology, with near-zero latency and synchronization
- With web page control function, parameters can be set through web browser
- Transmits multi digital 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
- Converts the digital audio signals of the Congress System to multi channel digital audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- When the EXTENSION1 interface is set in PC mode, it can be used for network audio transmission, connecting to ASR system, etc.
- With web control function, detailed parameters can be set through web browser
  - ♦ Work as audio input device
    - ・ Set audio source
    - ・ Adjust input gain or set it mute
    - ・ Display input level in real-time
    - ・ Set input SI channel
    - ・ 5 band Parameterized EQ + DRC (dynamic range compressor)
    - ・ Supports for configuration scene saving, calling and switching
  - ♦ Work as audio output device
    - ・ Display audio source
    - ・ Adjust output gain
    - ・ Display output level in real-time
    - ・ Set output SI channel
    - ・ 5 band Parameterized EQ + DRC (dynamic range compressor)
    - ・ Supports for configuration scene saving, calling and switching
  - ♦ Work as BM mode: for booth management
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 132 × 32 LCD with back-lighting displays input & output channel number and language name, supporting multi-language menu
- Power switch with indicator

Interconnections

- Dante module for 8 channels digital audio transmission
- Duplex SC single-mode optical fiber interface and Extension interface for connection with Congress Main Unit (only one interface can be connected at the same time to the Main Unit)
- Extension interface for connection with the sequencing Congress Extension Main Unit or Audio Input & Output Device
- 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	≥100 dBA
Dynamic range	≥94 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

Input sensitivity adjustable range	-20 dB ~ +10 dB, mute

Max. audio outputs

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	48 × 480 × 288 mm
For 19" rack use	45 × 480 × 288 mm
Weight	3.6 kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8600MIO/08D   8 Channels Audio Input & Output Device (Dante interface, single-mode optical fiber interface)

Function list

Type No.	Analog input	Analog output	Dante interface	Optical fiber interface
HCS-8600MID/16AD	16 channels	16 channels	16 channels	√
HCS-8600MID/08A	8 channels	8 channels		√
HCS-8600MIO/08D			8 channels	√

HCS-8685BM
Booth Manager

Functions

- An ideal solution for booth allocation, allowing allocating booths at will without changing existing wiring
- 1x RJ45 port, for LAN connection
- 2x8P-DIN ports, can connect up to 6 interpreter units
- Back-lit 132x32 LCD display, showing IP address of the Booth Manager and the number of the booth where it is located
- Web control facility, allows for access and complete configuration via web page
- Allocation of the Booth Manager to a certain HCS-8600 series conference system via HCS-8544S Booth Allocation and Management Software
- Integrated Type-C USB interface for system upgrading. Convenient for system maintenance

Controls and Indicators

- 132x32 LCD with back-lighting display
- Power switch with indicator

Interconnections

- 2 × 8P-DIN interface for connection with interpreter units
- 1 × RJ45 standard socket for connection to LAN
- Type-C USB interfaces for system upgrading

Technical Specifications

Electrical

Power supply	DC 48 V, 1.875 A
Power consumption	4 W

Mechanical

Dimensions (h × w × d)	46 × 190 × 134 mm
Weight	1.5 kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8685BM	Booth Manager (2 outlets for interpreter units)

HCS-8600 Series Application Software

HCS-8600 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-8600 application software connected into the Fully Digital Conference System, the operator can manage all aspects of the conference centrally. The operation turns out to be easy and efficient.

HCS-8600 application software is a modularized software with various functional modules:

- Basic System Setup Management Software Module (HCS-8510)
- Professional Venue Design Software Module (HCS-8512)
- Professional Venue Design Software (HCS-8512S)
- Microphone Management Software Module (HCS-8513)
- Voting Management Software Module (HCS-8514)
- Video Control Software Module (HCS-8515)
- Simultaneous Interpretation Software Module (HCS-8516)
- Intercom Software Module (HCS-8218)
- Synchronous Audio Recording Management Software Module (HCS-8519)
- Multi-User Conference Control Software Module (HCS-8521)
- Dual PC Server Hot Spare Software Module (HCS-8522)
- Dual System Main Unit Hot Spare Software Module (HCS-8525)
- Touched/Contactless IC-Card Sign in Management Software Module (HCS-8526)
- Fingerprint Identification Management Software Module (HCS-8529)
- Electronic Nameplate Management Software Module (for HCS-1082 series E-ink nameplate) (HCS-8531)
- Electronic Nameplate Server Software Module (for HCS-1082N series E-ink nameplate) (HCS-8532)
- CongressMatrix Software Module (HCS-8538)
- Congress Service Management Software Module (HCS-8539)
- Video Service Software Module (HCS-8540)
- File Management Software Module (HCS-8541)
- Booth Management Software (HCS-8544S)

HCS-8510
Basic Software Module

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

Room design facility
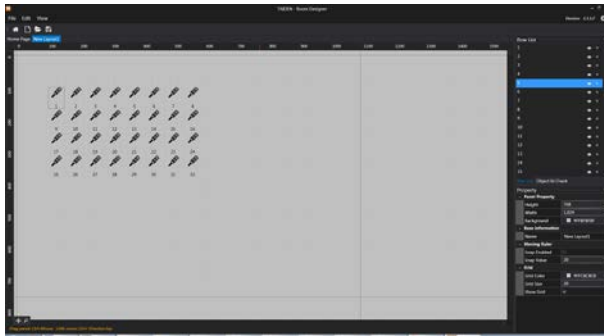
Room design (normal edition)

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
- Configuration room settings at any time via "Propety" item
- 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-8512 Professional Venue Design Module

Conference information management
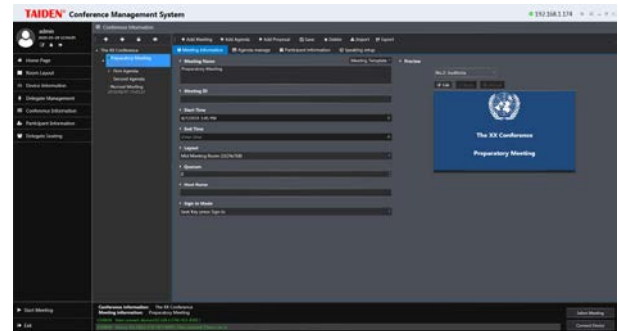
Conference information

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, layout, meeting start/end time, sign in mode and quorum and conference content
  - ♦ Agenda manage: generate agenda from DB or load from file
  - ♦ Participant information: add participants for current meeting
  - ♦ Speaking seup: speaking setup for current meeting
  - ♦ 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
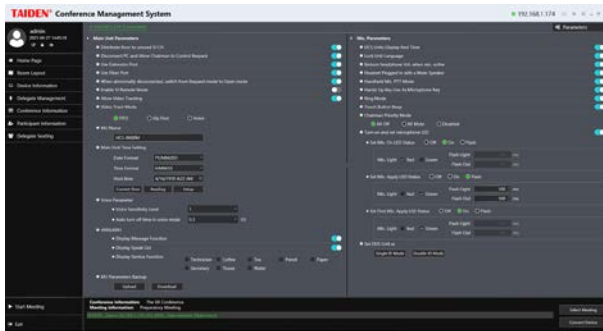
Parameters setup

MU state

Functions

Module provides **Parameters setup** and **MU state** sub-modules.

- ■ **Parameters:**
  - ● Main Unit Parameters:
    - ♦ Distribute floor to unused SI CH: select whether to distribute floor to unused SI channel automatically or not when the SI channel is not operated
    - ♦ Disconnect PC and Allow Chairman to Control Request
    - ♦ Use Extension Port: select whether use extension port or not
    - ♦ Use Fiber Port: select whether use fiber port or not
    - ♦ When abnormally disconnected, switch from Request mode to Open mode
    - ♦ Enable SI Remote Mode
    - ♦ Allow Video Tracking: turn on/off video track function
    - ♦ Video Track Mode: set video track mode as FIFO, VIP First or Voice when video tracking
    - ♦ MU Name: set main unit name
    - ♦ Main Unit Time Setting: setup the time displayed on the LCD of the main unit's front panel
      - ▪ Current time: display the time of the DCS server
      - ▪ Reading: read the time of the main unit
      - ▪ Setup: set the time of the main unit according to the time of the DCS server
    - ♦ Voice Sensitivity Level: set the sensitivity "Level" to open microphone in voice mode
    - ♦ Auto turn off time in voice mode: set the sensitivity "Off Time" to close microphone in voice mode
    - ♦ 4890/4891: set content display for HCS-4890/4891 series congress unit (Message/Speak List/ Service)
    - ♦ MU Parameters Backup

- ● Microphone Parameters:
  - ♦ DCS Units Display Real Time: select whether the contribution units display real time or not
  - ♦ Lock Unit Language:
  - ♦ Reduce headphone Vol. when mic. active: select whether reduce headphone volume or not when Mic. active
  - ♦ Headset Plugged in with a Mute Speaker
  - ♦ Handheld Mic. PTT Mode: force handheld microphone to PTT mode
  - ♦ Hands Up Key Use As Microphone Key: hands-up key is used as microphone On/Off key except discussion mode;
  - ♦ 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
  - ♦ 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
  - ♦ Turn on and set microphone LED: LED color: red, green or yellow, LED Status: On, Off or Flash
  - ♦ Set DDS Unit mode: single ID mode or Double ID mode

- ■ **MU state**: synchronously display and adjust the status of the Congress Main Unit, for flexible control of the CMU by the operator
  - ♦ Active Microphones (1~8)
  - ♦ Operation mode (Open/Override/Voice/Request/PTT)
  - ♦ Master Volume (-30 dB ~ 0 dB)

Contribution unit configuration facility
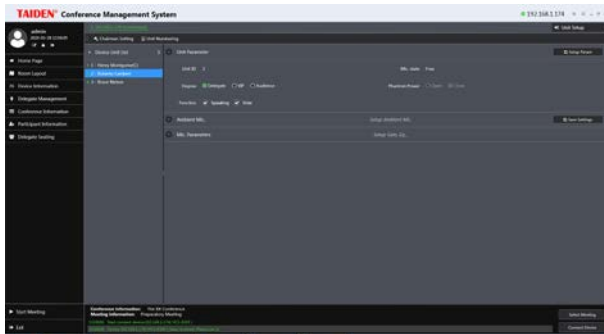
Set up contribution unit interface
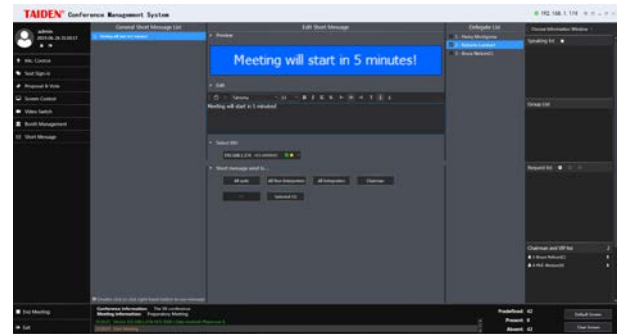
Functions

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

Parameters include:

- Contribution unit degree (Delegate/VIP/Audience)
- Built-in facilities (Speaking/Vote/IC card sign-in)
- Unit language
- Microphone sensitivity and EQ
- Easy reconfiguration of the internal settings
- Easy selection of any chairman unit to be executive chairman unit

User management
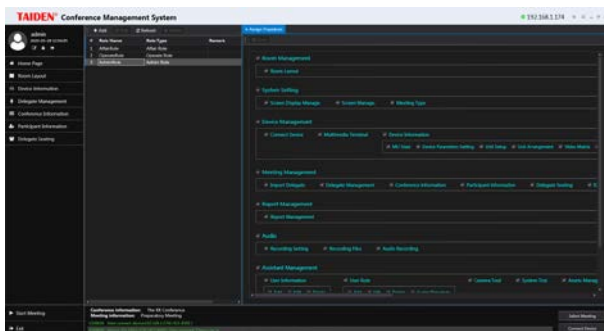
User management interface

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

Information display

Short message

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
  - ♦ Rename 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

System detection
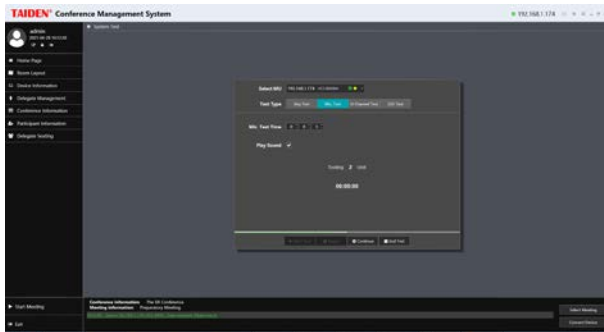
Key test interface
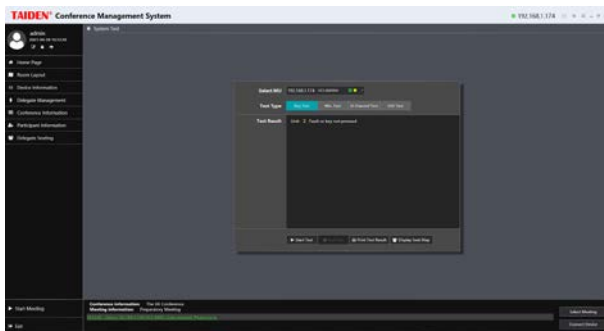
Microphone test interface
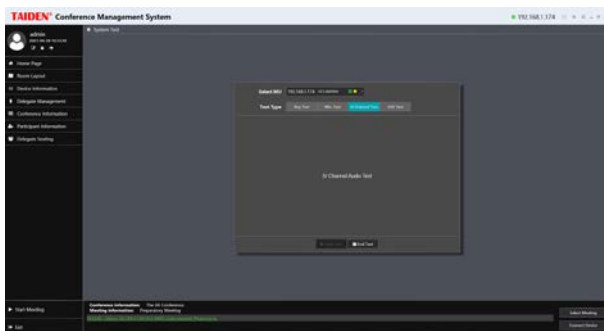
SI channel test interface
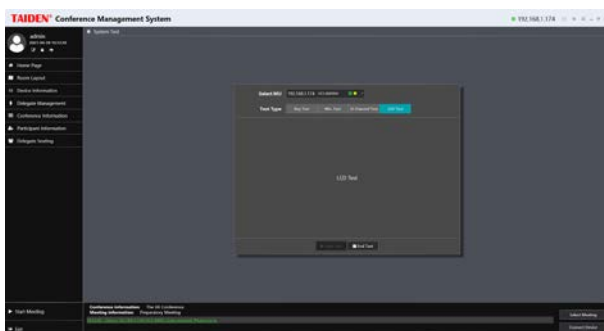
LEDl test interface

Functions

Online system test facility, including **microphone test, key test and SI channel test.**

■ **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

■ **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

■ **SI channel test**:
  ◆ HCS-8685 will play the monitor channel name, and if the channel is not defined in the system, the sound "Floor" will be played

■ **LED test**:
  ◆ The LEDs (indicating light) on all connected contribution units will blink

Report system
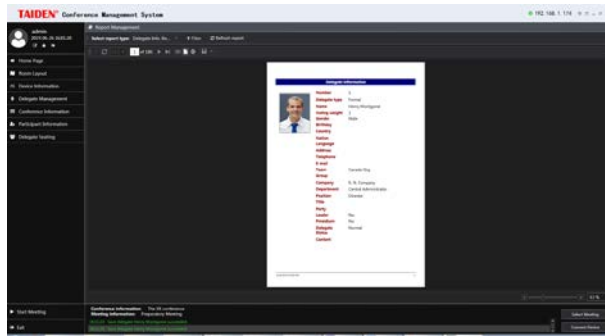
Report system

Functions

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

- ■ Delegate Information Report
- ■ Seat Sign-in Report
- ■ Seat Sign-in Name List
- ■ Vote Result Report
- ■ Vote Name List
- ■ Congress Report
- ■ Entry Sign-in Report

Ordering Information

HCS-8510 ..... Basic System Setup Management Software Module

HCS-8512
Professional Venue Design Module
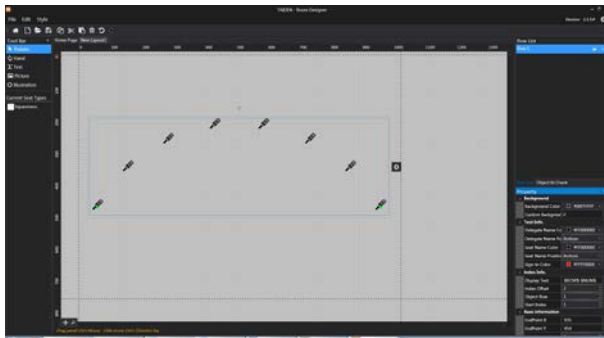
Venue design (professional)

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 Properties dialog box is on right of the window for fast changing the properties of current object.

- File operation:
  - ♦ Venue design supports file operation, including: new, open, save as, save layout template and export
  - ♦ Create a new conference file: set the background color, room size and other parameters, including:
    - Room layout room
    - Background color
    - Size
    - Line number
    - Numbers per line
    - Seat icon
    - Transparent icon or not
    - Display as mic. icon or not
    - Background image
  - ♦ The parameters above can be changed at any time through "Property" item 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 "Property" 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
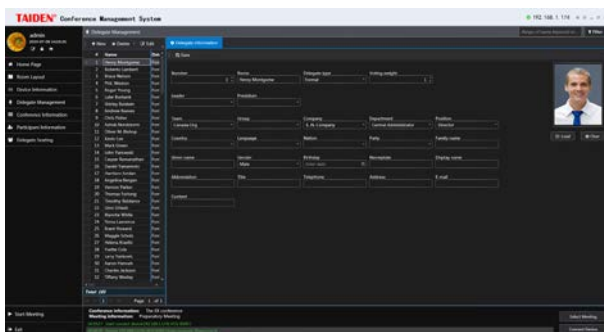- Object arrangement can be changed

Ordering Information

HCS-8512 .... Professional Venue Design Software Module

HCS-8512S .... Professional Venue Design Software (Independent setup)

HCS-8513
Microphone Management Module
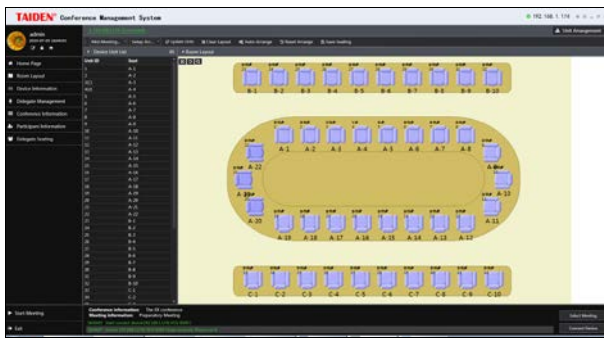
Unit arrangement

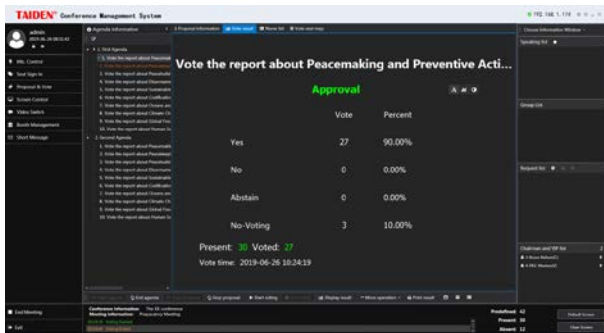Delegate information

Microphone control

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.:
    - 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
    - Import/Export delegate information
    - 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
    - Fast search facility
    - Database updatable
  - ♦ Participants: select the delegates to participate in the conference from the database
    - List delegate information by filter
    - Group adding function by filter
  - ♦ 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

Ordering Information

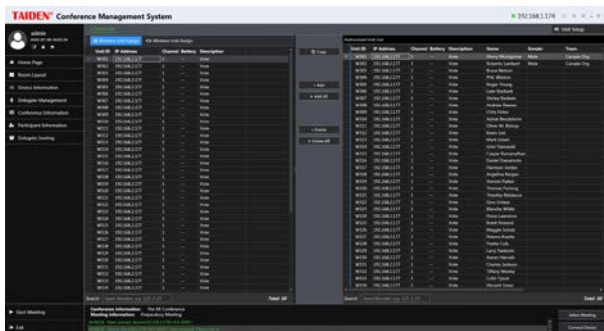HCS-8513 .... Microphone Management Software Module

HCS-8514
Voting Management Module

Topics and voting

RF wireless setup

Wireless Voting Units Management

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 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
  - ▪ Import/Export delegate information
  - ▪ 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
  - ▪ Fast search facility
  - ▪ Database updatable
- ♦ Participants: select the delegates to participate in the conference from the database
  - ▪ List delegate information by filter
  - ▪ Group adding function by filter
- ♦ Delegate authority:
  - ▪ Degree: chairman or delegate
  - ▪ Authority: speak, vote and vote board

Simultaneous use with wireless voting system, include RF wireless setup, statistic test, voting units management and voting units assignment.

- RF wireless setup:
  - amount of voting units
  - set a transceiver as backup
  - range of RF channel
  - range of wireless voting unit will be automatically assigned equally after setup
- Statistic test:
  - Detect the coverage of each wireless transceiver in the meeting room, and optimizing the placement of wireless transceivers to obtain the largest possible coverage with less wireless transceivers
  - Detect the working status of all wireless voting units and wireless transceivers to find out those wireless voting units or wireless transceivers which may not work properly in advance, and select an clean frequency for wireless transceivers (there are 12 optional frequencies)
- Wireless voting units management
  - Add wireless voting units into the conference
- Wireless voting units assignment
  - Assign wireless voting units to participators for nominative voting

Ordering Information

HCS-8514 .... Voting Management Software Module (support wired and wireless mixed use, including delegate management, multiform voting, multi-proposal voting)

HCS-8515
Video Control Module
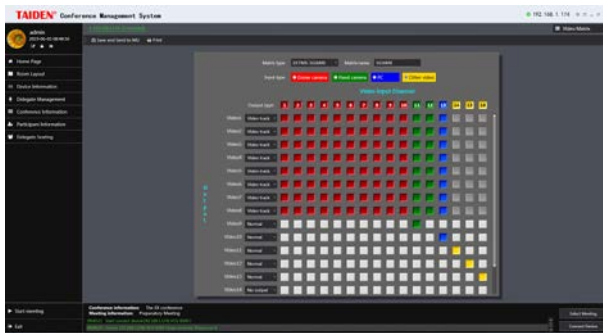
Video matrix
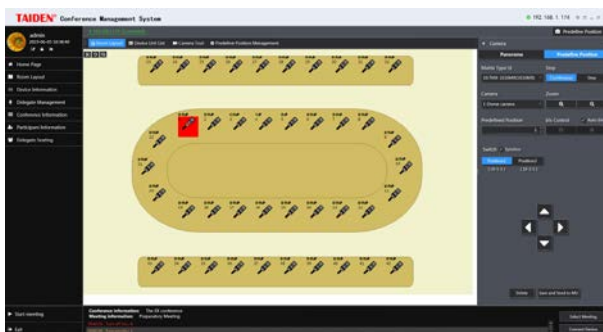
Camera control

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-8515 ....Video Control Software Module

HCS-8516
Simultaneous Interpretation Module
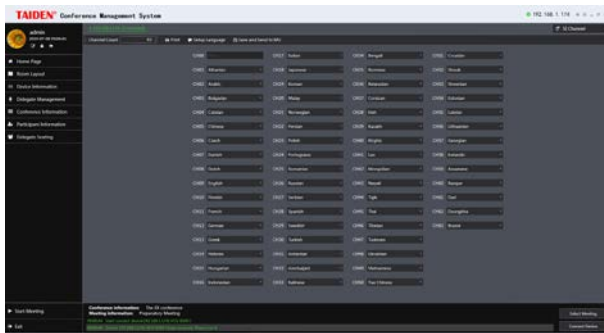
Interpretation channel setup
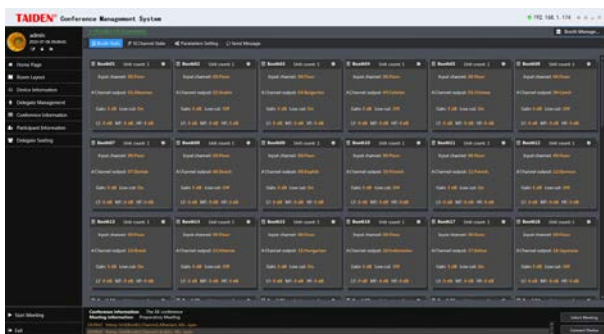
Interpreter booth status

Functions

Set up the simultaneous interpretation channels and interpreter booth(s):

■ 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
  ♦ Booth status and Channel status
  ♦ Switch output channel
  ♦ Set up interpreter unit microphone parameters (Gain, EQ and Lowcut)
  ♦ Close interpreter unit microphone

Ordering Information

HCS-8516 .... Simultaneous Interpretation Software Module

HCS-8518 Intercom Module
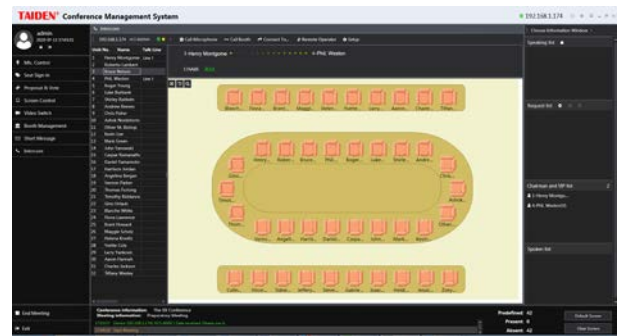
Intercom interface

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 operation
■ Intercom only available for Congress Units equipped with LCD
■ Paperless Multimedia Congress Terminal can initiate intercom without an operator

Ordering Information

HCS-8518 .... Intercom Software Module

HCS-8519
# Synchronous Recording Module
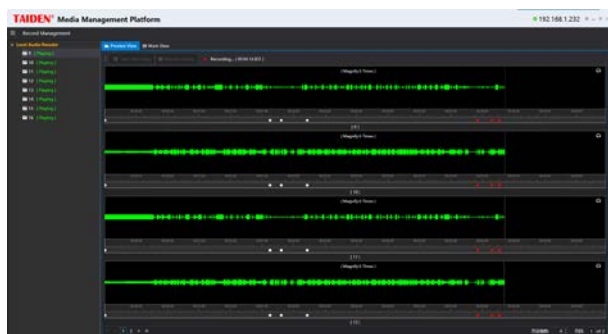
Audio record interface

Functions

Records speakers' audio information:

- Integrated into **TAIDEN** media management platform, easy to operate
- Recording Setting
  - Add recorder device
  - Set up record audio quality
  - Configure recording channel
- Audio recording
  - Begin/end automatic recording according to microphone on/off
  - Once microphone enabled, speaking delegate's voice is recorded in audio file (MP3 format)
  - Add/delete/search marker for audio file
  - Increase/decrease start/end time for marker
  - Edit marker name, content, and upload file for marker
- Recording files:
  - Search facilities, search audio record file needed to playback quickly (by conference ID, speaker, begin time, continuous time, etc.)
  - Playback all recordings 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-8519............................Synchronous Audio Recording Management Software Module

HCS-8521
Multi-User Console Module
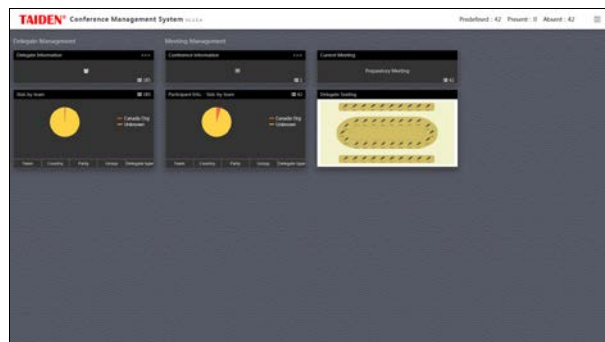
The primary window of multi-user console

Functions

If more than one operator is involved, a multi-user console is available for controlling speaking and voting, apart the system application software.

- Input web address on browser to access multi-user console
- Scanning QR code to access multi-user console
- User name, password and authority were created by adminator
- User controls conference in his/her authority

Ordering Information

HCS-8521...........Multi-User Conference Control Software Module

HCS-8522
Dual PC Server Hot Spare Module

Start to backup interface


Backing up interface

Functions

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-8522 .... Dual PC Server Hot Spare Software Module

HCS-8525
Dual System Main Unit Hot Spare Module
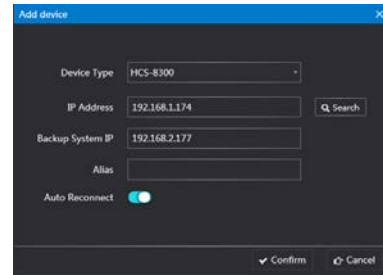
Connect to CMU

Functions

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.
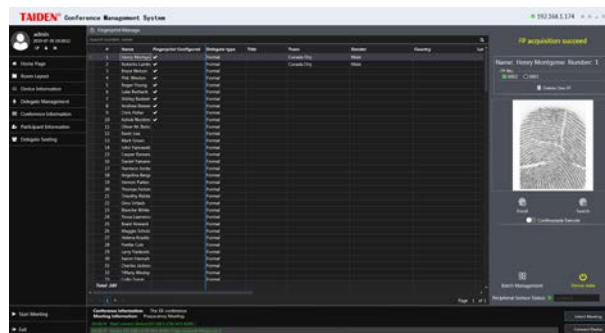
Ordering Information

HCS-8525 .... Dual System Main Unit Hot Spare Software Module

HCS-8526
Touched/Contactless IC-Card
Sign-in Management Module

IC-Card distribution

Functions

IC-Card distribution, **IC-Card loss/activate** 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 activate: activate the lost card when it comes back
■ **Delegate management** includes three sub-modules: delegate information, participants and delegate authority
   ♦ Delegate information: create and manage the delegate's database
      ▪ Import/Export delegate information
      ▪ 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
      ▪ Fast search facility
      ▪ Database updatable
   ♦ Participants: select the delegates to participate in the conference from the database
      ▪ List delegate information by filter
      ▪ Group adding function by filter
   ♦ Delegate authority:
      ▪ Degree: chairman or delegate
   ▪ Authority: speak, vote and vote board
      ▪ Chairperson privilege is needed when sign-in at chair unit (Free seating)

Ordering Information

HCS-8526 .... Touched/Contactless IC-Card Sign-in Management Software Module

HCS-8529
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
      ▪ Import/Export delegate information
      ▪ 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
      ▪ Fast search facility
      ▪ Database updatable
   ♦ Participants: select the delegates to participate in the conference from the database
      ▪ List delegate information by filter
      ▪ Group adding function by filter
   ♦ Delegate authority:
      ▪ Degree: chairman or delegate
      ▪ Authority: speak, vote and vote board

Ordering Information

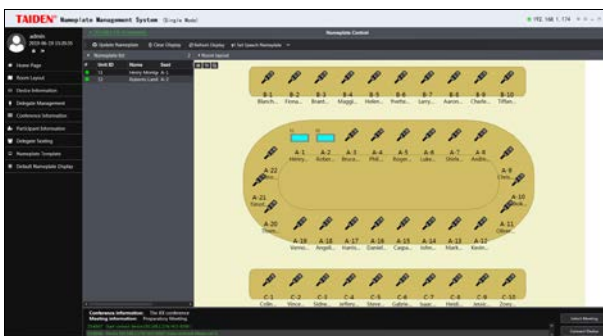HCS-8529 .... Fingerprint Identification Management Software Module

HCS-8531
Electronic Nameplate Management Software Module
(for HCS-1082 series E-ink nameplate, congress main unit needed)
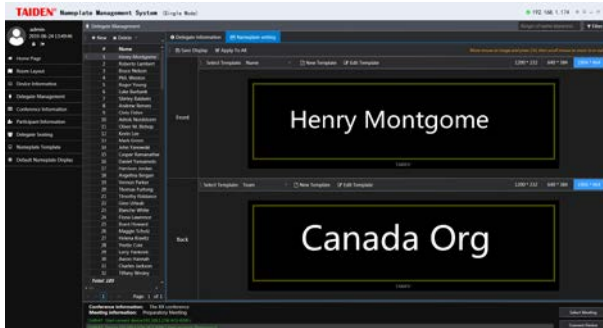
Delegate Management

Nameplate Control

Ordering Information

HCS-8531............Electronic Nameplate Management Software Module (for HCS-1082 series E-ink nameplate)
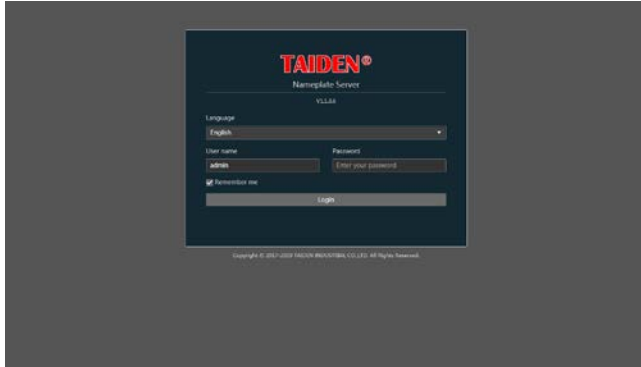
Functions

TAIDEN electronic nameplate system works together with TAIDEN HCS-1082 series E-ink nameplate to realize soft, flicker-free, glare-free and power saving electronic nameplate function. It has two work modes: Single mode and DCS mode.

- Single mode
  - Assistant: supports user information and user role
  - Room layout: add, manage and design room layouts
  - Device management: add device and connect device
  - Meeting management: add/edit meeting information and edit delegate information, design nameplate template;
  - Delegate management: create and manage the delegate's database; set up display effect for delegate screen;
  - Nameplate/Delegate seating: assign the nameplate/delegate to the corresponding positions based on the true seating layout
  - Nameplate control: includes nameplate number, seating and display controlling
- DCS mode:
  - Get meeting database from DCS server; including meeting information, room layout, delegate information, etc.
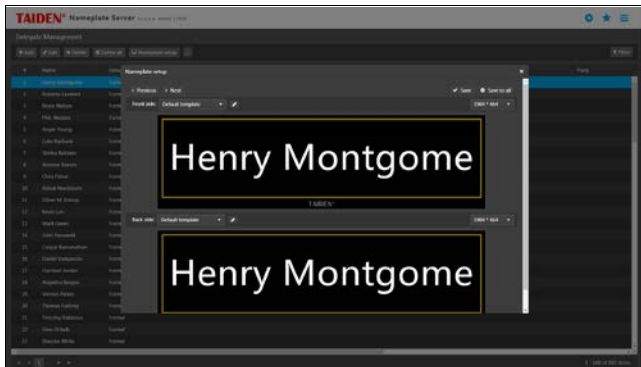 - Nameplate control: includes nameplate number, seating and display controlling

HCS-8532
Electronic Nameplate Management Software Module
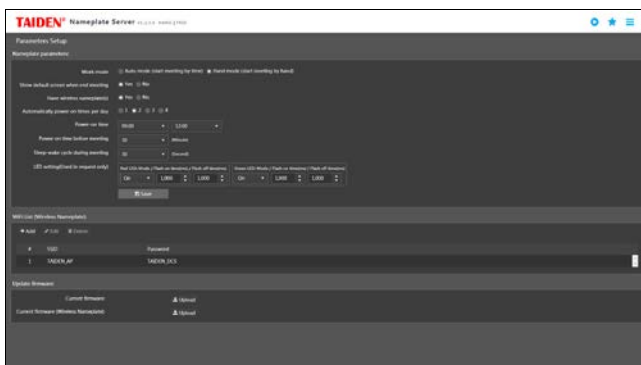## (for HCS-1081/HCS-1082N series E-ink nameplate, w/o congress main unit)

Login

Nameplate Setup

Nameplate Control

Parameters Setup

Functions

TAIDEN electronic nameplate server is an electronic nameplate control and management platform based on network, cooperating with TAIDEN HCS-1081/1082N series E-ink nameplate. After configure electronic nameplate server, users can control the system through any computer which can access the server. It has two work modes: Auto mode and Hand mode. When work on Auto mode, the nameplate server will start meeting by time automatically.

- Meeting management
  - ♦ Meeting information: add/edit conference and meeting information
  - ♦ Delegate information: create and manage the delegate's database; set up display effect for delegate screen
  - ♦ Participant information: select the delegates to participate in the conference from the database
  - ♦ Delegate seating: is used to assign seats for the delegates, e.g.
- Nameplate management
  - ♦ Nameplate control: control nameplate display (default screen, delegate screen, device information), Update firmware, Restore factory setting, Inverse, Extension port setting, Agree/Add request, Cancel request, etc.
  - ♦ Nameplate arrangement: assign the nameplate to the corresponding positions based on the true seating layout
  - ♦ Nameplate template: design nameplate template
  - ♦ Nameplate default Display: select and edit default display
  - ♦ Parameters setup: include setup nameplate paremeters and update firmware file
- System settings
  - ♦ Room layout: add and manage room layout
  - ♦ User management: create/delete a user, edit user password

Ordering Information

HCS-8532 .... Electronic Nameplate Server (for HCS-1081/1082N, w/o congress main unit, HCS-8512S needed)

HCS-8538
CongressMatrix Software Module

CongressMatrix Software Interface

Functions

HCS-8600 Series Congress System based on TAIDEN originated CongressMatrix™ technology, embedding an (n+8)×26 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).

■ 26 discrete audio outputs, including:

  ♦ Line 1~2 output: 31 band graphical EQ (preset three bandwidth for fast selection: narrow band, normal and wide band) + DRC (dynamic range compressor) + time delay (maximum delay time is 1 s)

  ♦ AES 1~2 output: 31 band graphical EQ (preset three bandwidth for fast selection: narrow band, normal and wide band) + DRC (dynamic range compressor)

  ♦ Group output 1~6: 15 band graphical EQ (preset three bandwidth for fast selection: narrow band, normal and wide band) + DRC (dynamic range compressor) + time delay (maximum delay time is 1 s)

  ♦ USB 1~2 output: 8 band parameterized EQ + DRC (dynamic range compressor)

  ♦ Dante 1~16 output: 8 band parameterized EQ + DRC (dynamic range compressor)

■ Connectable to a multi-channel independent PA system. 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

■ 26 channels audio 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

■ Integrated voice enhance and howling suppression function for each microphone to improve sound effects

■ 2 audio line in (Line/Dante) + 2 AES in (AES/Dante) + 2 USB in (USB/Dante) +2 Dante in, or 1 audio line in (Line/Dante) + 1 microphone input + 2 AES in (AES/Dante) + 2 USB in (USB/Dante) +2 Dante in, gain and EQ for each input adjustable separately. +48 V phantom power supply at microphone input, condenser microphone can be connected directly, maximum supports 8 Dante input.

■ Real –time display of input and output level

■ Three audio modes for selection: normal mode, teleconferencing mode and external processor mode

■ Supports for configuration scene saving, calling and switching

■ Connectable to multi-channel audio input or output devices for versatile expansion of the system

Ordering Information

HCS-8538 .... CongressMatrix Software Module

HCS-8539
# Congress Service Management
Software Module
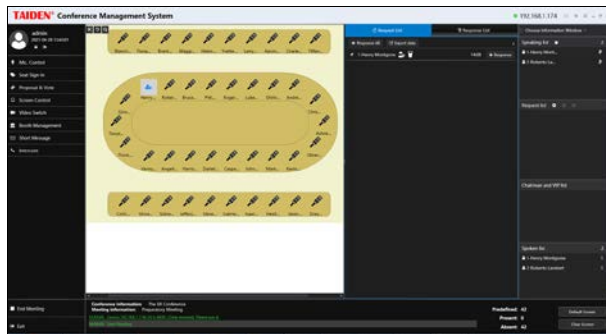
Congress Service

Functions

Paperless Multimedia Terminals and HCS-4890/4891 series congress units have a service request function. The participants can call for a service, the participant's name, seat and service type will be displayed on operator's monitor.

Ordering Information

HCS-8539......Congress Service Management Software Module
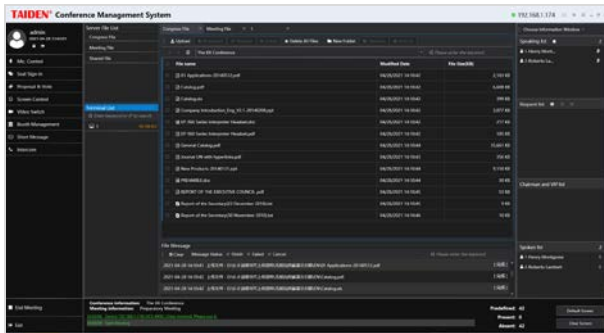
HCS-8540
Video Service Software Module
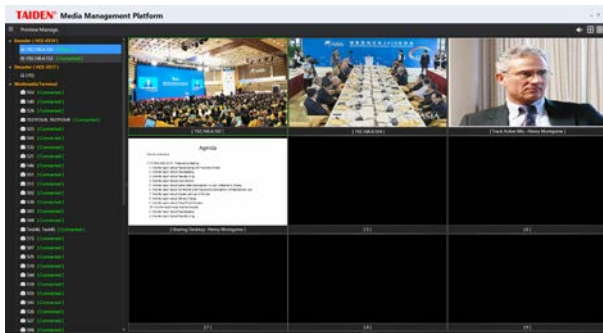
Video Service

Functions

Cooperating with 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, record conference audio automatically or manually, 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.
■ Recording control
  ♦ Record management:
    ▪ Add local recorder
    ▪ Set up record audio quality
    ▪ Configure recording channel
    ▪ Auto record: begin/end automatic recording according to microphone on/off
    ▪ Once microphone enabled, speaking delegate's voice is recorded in audio file (MP3 format)
    ▪ Manual record: begin/end recording via start/stop button
  ♦ Timeline management:
    ▪ Add/delete/search marker for audio file
    ▪ Increase/decrease start/end time for marker
    ▪ Edit marker name, content, and upload file for marker
  ♦ Playback management:
    ▪ Search facilities, search audio record file needed to playback quickly (by conference ID, speaker, begin time, continuous time, etc.)

▪ Playback all: recordings 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-8540 .... Video Service Software Module

HCS-8541
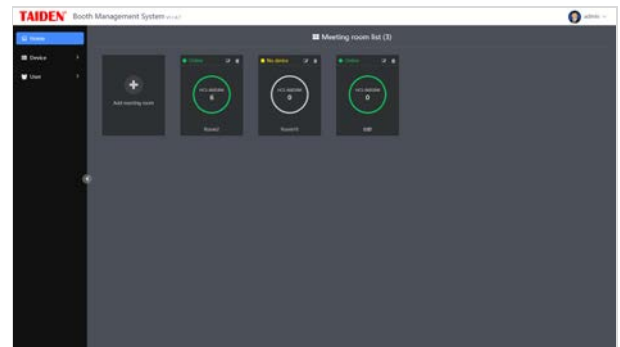# File Management Software Module

File Management

Functions

Cooperating with Paperless Multimedia Congress Terminal, the file management module can realize parameters setting, terminal management, message management and file management.

■ Parameters setting: set up terminal parameters, function and authority

■ Terminal management: including nameplate control and desktop sharing control

■ Message management: two-way text communication with terminals

■ File management: upload, download, delete files from file server to batch or single designated Congress Terminals, or upload, download files from Paperless Multimedia Congress Terminal
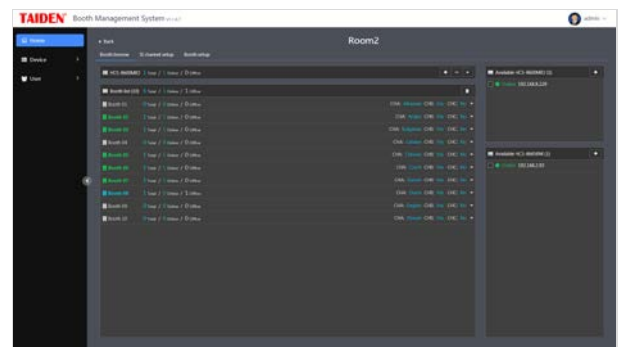
Ordering Information

HCS-8541................................File Management Software Module

HCS-8544S
Booth Management Software

Meeting room list

Booth borrow

Functions

Cooperating with the HCS-8600MIO series Audio Input & Output Device and the HCS-8685BM for booth management. Booth management Software can realize booth deployment, cable connections do not need to be changed, includes:

■ Meeting room list: manage meeting rooms

■ Booth borrow: add HCS-8600MIO to meeting room and distribute HCS-8600BM to interpreter booth;

■ SI channel setup: setup SI channel or get channel information from main unit;

■ Booth setup: setup booth or get booth information from main unit;

■ Device management: manage devices of HCS-8600MIO and HCS-8685BM, and configure server information for the devices

■ User: add user information, the TAIDEN Booth Management Software can be configured on the server in the conference center, and users can log in to the system through any computer that accesses the server to perform corresponding operations.

Ordering Information

HCS-8544S................................Booth Management Software
(HCS-8600MIO and HCS-8685BM needed)