Paperless Multimedia Congress System

202412

Paperless Multimedia Congress System

HCS-8669 Series Paperless Multimedia Congress Terminal

HCS-8669CAM

HCS-8669DM

| HCS-8669AC | HCS-8669AD | HCS-8669BD | HCS-8669BC | | HCS-8669VSE | HCS-8669SPK |

HCS-8669A Modular Paperless Multimedia Congress Terminal (for Chairman)

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel. 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, 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**
■ **Modular design, flexible collocation on demand**
■ **Electronic document distribution for paperless meetings**
■ **Based on TAIDEN 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(HCS-8669DM)**
■ **Capacitive touch panel supporting multi-touch, improves operation experience**
■ **Optional 5 megapixel magnetic suction camera, one touch connection, easy to operate (HCS-8669CAM)**
■ **Microphone array technology (HCS-8669AC)**
■ **Five voting buttons(HCS-8669VSE)**
■ **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 20 Hz and 20 kHz**
■ **Excellent immunity to RF interferences from phones**
■ **Supporting "PnP" (plug and play)**
■ **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
■ 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 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
■ Supports up to 64 (1+63) CHs simultaneous interpretation
■ Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 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
  - ◆ Photo taking（HCS-8669CAM）
  - ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- ■ 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
- ■ Video call: Delegate can make video call on the paperless terminal one-by-one in the system, or realized remote video conference by video server (HCS-8669CAM)
- ■ Conference service:
  - ◆ Short messages reader and editor
  - ◆ Call service, call secretary
- ■ Based on TAIDEN originated MCA-STREAM 2.0 digital audio technology
- ■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- ■ Gain and lowcut of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- ■ Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- ■ Automatic recovery facility, supporting "PnP" (plug and play)
- ■ Microphone array technology
- ■ Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active (HCS-8669VSE or HCS-8669SPK)
- ■ 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 button with request-to-speak registration (AUTO)
    - · "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - · "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking

- · "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
- · "PTT" mode, press microphone On/Off button to talk
- ◆ Key press sign-in
- ◆ Voting function (Yes/No/Abstain)
- ◆ Simultaneous interpretation
- ■ Multiform voting in combination with the corresponding software
- ■ 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 main 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
- ■ Microphone array with two–color illuminated ring
- ■ Channel select buttons
- ■ Headphones volume up and down buttons
- ■ Microphone On/Off button with indicator
- ■ Priority button with indicator
- ■ Five voting buttons with indicators

Interconnections

- ■ 2 × Ø 3.5 mm stereo headphone jack with volume control
- ■ USB interface (USB 3.0 on the right) and USB1 (on the bottom) for uploading or backing up files, or connecting to mouse or keyboard
- ■ Nameplate interface (Nameplate) 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 .... 16.6 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 .... 20 Hz to 20 kHz
Earphone load impedance .... >16 Ohm
Earphone output .... 13 mW

Microphone

Transducer .... Electret-condenser
Polar pattern .... Uni-directional
Sensitivity .... -46 dB (0 dB= 1 V/Pa)
Frequency response .... 50 Hz to 20 kHz
Input impedance .... 2 kOhm
Directivity 0°/180° .... ≥20 dB (@1 kHz)
Equivalent noise .... 20 dBA
SNR .... 74 dBA
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)
  HCS-8669DM .... 348 × 147 × 200 mm
  HCS-8669AC .... 88 × 122 × 200 mm
  HCS-8669VSE .... 88 × 122 × 200 mm
  HCS-8669CAM .... 100 × 13 × 36 mm
  HCS-8669SPK .... 88 × 122 × 200 mm
Weight
  HCS-8669DM .... 2.4 kg
  HCS-8669AC .... 0.2 kg
  HCS-8669VSE .... 0.2 kg
  HCS-8669CAM 0.1kg
  HCS-8669SPK 0.2kg
Color .... Black (PANTONE 419 C)

Ordering Information

HCS-8669DM ...... Paperless Multimedia Congress Terminal (tabletop, voting, 64 CHs, 14" 1920×1080 LCD, capacitive touch panel, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, internet access, HCS-1082 series E-ink nameplate can be connected, support PoE, black)

HCS-8669AC ...... Discussion Module (chairman unit, microphone array, speech, HCS-8669DM needed, black)

HCS-8669VSE ...... Voting & SI Module (5 voting keys, 64 CHs, loudspeaker, HCS-8669DM need, Braille, black)

HCS-8669CAM ...... Camera Module(magnetic, 5 megapixel, HCS-8669DM needed, black)

HCS-8669SPK ...... Loudspeaker Module(HCS-8669DM needed, black)

HCS-8669A Modular Paperless Multimedia Congress Terminal (for Delegate)

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel. 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, 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**
- **Modular design, flexible collocation on demand**
- **Electronic document distribution for paperless meetings**
- **Based on TAIDEN 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**
- **Optional 5 megapixel magnetic suction camera, one touch connection, easy to operate (HCS-8669CAM)**
- **Microphone array technology (HCS-8669AD)**
- **Five voting buttons(HCS-8669VSE)**
- **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 20 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**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

- Compliant to ISO 22259
- 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 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
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 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
- ◆ Photo taking（HCS-8669CAM）
- ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- ■ 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
- ■ Video call: Delegate can make video call on the paperless terminal one-by-one in the system, or realized remote video conference by video server (HCS-8669CAM)
- ■ Conference service:
  - ◆ Short messages reader and editor
  - ◆ Call service, call secretary
- ■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- ■ Gain and lowcut of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- ■ Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- ■ Automatic recovery facility, supporting "PnP" (plug and play)
- ■ Microphone array technology
- ■ Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active (HCS-8669VSE or HCS-8669SPK)
- ■ 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 button with request-to-speak registration (AUTO)
    - · "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - · "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking

- · "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
- · "PTT" mode, press microphone On/Off button to talk
  - ◆ Key press sign-in
  - ◆ Voting function (Yes/No/Abstain)
  - ◆ Simultaneous interpretation
- ■ Multiform voting in combination with the corresponding software
- ■ Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on 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)
- ■ 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
- ■ Microphone array with two–color illuminated ring
- ■ Channel select buttons
- ■ Headphones volume up and down buttons
- ■ Microphone On/Off button with indicator
- ■ Five voting buttons with indicators

Interconnections

- ■ 2 × Ø 3.5 mm stereo headphone jack with volume control
- ■ USB interface (USB 3.0 on the right) and USB1 (on the bottom) for uploading or backing up files, or connecting to mouse or keyboard
- ■ Nameplate 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	16.6 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	20 Hz to 20 kHz
Earphone load impedance	>16 Ohm
Earphone output	13 mW

Microphone

Transducer	Electret-condenser
Polar pattern	Uni-directional
Sensitivity	-46 dB (0 dB= 1 V/Pa)
Frequency response	50 Hz to 20 kHz
Input impedance	2 kOhm
Directivity 0°/180°	≥20 dB (@1 kHz)
Equivalent noise	20 dBA
SNR	74 dBA
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)	
HCS-8669DM	348 × 147 × 200 mm
HCS-8669AD	88 × 122 × 200 mm
HCS-8669VSE	88 × 122 × 200 mm
HCS-8669SPK	88 × 122 × 200 mm
Weight	
HCS-8669DM	2.4 kg
HCS-8669AD	0.2 kg
HCS-8669VSE	0.2 kg
HCS-8669CAM	0.1kg
HCS-8669SPK	0.2kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8669DM	Paperless Multimedia Congress Terminal (tabletop, voting, 64 CHs, 14" 1920×1080 LCD, capacitive touch panel, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, internet access, HCS-1082 series E-ink nameplate can be connected, support PoE, black)
HCS-8669AD	Discussion Module (delegate unit, microphone array, speech, HCS-8669DM needed, black)
HCS-8669VSE	Voting & SI Module (5 voting keys, 64 CHs, loudspeaker, HCS-8669DM need, Braille, black)
HCS-8669CAM	Camera (magnetic, 5 megapixel, HCS-8669DM needed, black)
HCS-8669SPK	Loudspeaker Module(HCS-8669DM needed, black)

HCS-8669B Modular Paperless Multimedia Congress Terminal (for Chairman)

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel. 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, 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**
- **Modular design, flexible collocation on demand**
- **Electronic document distribution for paperless meetings**
- **Based on TAIDEN 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(HCS-8669DM)**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **Optional 5 megapixel magnetic suction camera, one touch connection, easy to operate (HCS-8669CAM)**
- **Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS5*series and MS**E type stem microphone is suitable**
- **Five voting buttons(HCS-8669VSE)**
- **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 20 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**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

- Compliant to ISO 22259
- 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 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
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 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
- ◆ Photo taking（HCS-8669CAM）
- ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- ■ 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
- ■ Video call: Delegate can make video call on the paperless terminal one-by-one in the system, or realized remote video conference by video server (HCS-8669CAM)
- ■ Conference service:
  - ◆ Short messages reader and editor
  - ◆ Call service, call secretary
- ■ Based on TAIDEN originated MCA-STREAM 2.0 digital audio technology
- ■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- ■ Gain and lowcut 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)
- ■ Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active (HCS-8669VSE or HCS-8669SPK)
- ■ 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 button with request-to-speak registration (AUTO)
    - ・ "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - ・ "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking

- ・ "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
- ・ "PTT" mode, press microphone On/Off button to talk
- ◆ Key press sign-in
- ◆ Voting function (Yes/No/Abstain)
- ◆ Simultaneous interpretation
- ■ Multiform voting in combination with the corresponding software
- ■ 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 main 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
- ■ Channel select buttons
- ■ Headphones volume up and down buttons
- ■ Microphone On/Off button with indicator
- ■ Priority button with indicator
- ■ Five voting buttons with indicators

Interconnections

- ■ 2 × Ø 3.5 mm stereo headphone jack with volume control
- ■ USB interface (USB 3.0 on the right) and USB1 (on the bottom) for uploading or backing up files, or connecting to mouse or keyboard
- ■ Nameplate 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	16.6 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 ⋯⋯⋯⋯⋯⋯⋯⋯⋯ 20 Hz to 20 kHz
Earphone load impedance ⋯⋯⋯⋯⋯⋯⋯⋯ >16 Ohm
Earphone output ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ 13 mW

Interface data

Connector ⋯⋯⋯⋯⋯⋯ 2 × Ø 3.5 mm stereo jack for headphones

Mechanical

Mounting ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ Tabletop
Dimensions (h × w × d) (w/o microphone)
  HCS-8669DM ⋯⋯⋯⋯⋯⋯⋯⋯⋯ 348 × 147 × 200 mm
  HCS-8669BC ⋯⋯⋯⋯⋯⋯⋯⋯⋯ 88 × 122 × 200 mm
  HCS-8669VS ⋯⋯⋯⋯⋯⋯⋯⋯⋯ 88 × 122 × 200 mm
  HCS-8669CAM ⋯⋯⋯⋯⋯⋯⋯⋯ 100 × 13 × 36 mm
  HCS-8669SPK ⋯⋯⋯⋯⋯⋯⋯⋯ 88 × 122 × 200 mm
Weight (w/o microphone)
  HCS-8669DM ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ 2.4 kg
  HCS-8669BC ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ 0.2 kg
  HCS-8669VSE ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ 0.2 kg
  HCS-8669CAM ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ 0.1kg
  HCS-8669SPK ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ 0.2kg
Color ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ Black (PANTONE 419 C)

Ordering Information

HCS-8669DM Paperless Multimedia Congress Terminal (tabletop, voting, 64 CHs, 14" 1920×1080 LCD, capacitive touch panel, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, internet access, HCS-1082 series E-ink nameplate can be connected, support PoE, black)

HCS-8669BC Discussion Module (chairman unit, HCS-8669DM needed, black, stem microphone to be ordered separately)

HCS-8669VSE Voting & SI Module (5 voting keys, 64 CHs, loudspeaker, HCS-8669DM need, Braille, black)

HCS-8669CAM Camera Module(magnetic, 5 megapixel, HCS-8669DM needed, black)

HCS-8669SPK Loudspeaker Module (HCS-8669DM needed, black)

HCS-8669B Modular Paperless Multimedia Congress Terminal (for Delegate)

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel. 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, 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**
- **Modular design, flexible collocation on demand**
- **Electronic document distribution for paperless meetings**
- **Based on TAIDEN 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(HCS-8669DM)**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **Optional 5 megapixel magnetic suction camera, one touch connection, easy to operate (HCS-8669CAM)**
- **Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS5*series and MS**E type stem microphone is suitable**
- **Five voting buttons(HCS-8669VSE)**
- **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 20 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**
- **HCS-1082 series E-ink Nameplate can be connected**

Functions

- Compliant to ISO 22259
- 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 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
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 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
- ♦ Photo taking（HCS-8669CAM）
- ♦ Internet access: related information is available through the Internet or the LAN during the meeting

■ 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

■ Video call: Conference terminal can make video call one-by-one in the system, or realized remote video conference by video server (HCS-8669CAM)
■ Conference service:
- ♦ Short messages reader and editor
- ♦ Call service, call secretary

■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
■ Gain and lowcut 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)
■ Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active (HCS-8669VSE or HCS-8669SPK)
■ 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 button with request-to-speak registration (AUTO)
  - ・ "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
  - ・ "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
  - ・ "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application

- ・ "PTT" mode, press microphone On/Off button to talk
- ♦ Key press sign-in
- ♦ Voting function (Yes/No/Abstain)
- ♦ Simultaneous interpretation
■ Multiform voting in combination with the corresponding software
■ Automatic video tracking implementation when cooperating
■ with cameras and video switcher unit; preset positions on 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)
■ 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
■ Channel select buttons
■ Headphones volume up and down buttons
■ Microphone On/Off button with indicator
■ Priority button with indicator
■ Five voting buttons with indicators

Interconnections

■ 2 × Ø 3.5 mm stereo headphone jack with volume control
■ USB interface (USB 3.0 on the right) and USB1 (on the bottom) for uploading or backing up files, or connecting to mouse or keyboard
■ Nameplate 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	16.6 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	20 Hz to 20 kHz
Earphone load impedance	>16 Ohm
Earphone output	13 mW

Interface data

Connector	2 × Ø 3.5 mm stereo jack for headphones

Mechanical

Mounting ....Tabletop
Dimensions (h × w × d) (w/o microphone)
  HCS-8669DM .... 348 × 147 × 200 mm
  HCS-8669BD .... 88 × 122 × 200 mm
  HCS-8669VS .... 88 × 122 × 200 mm
  HCS-8669CAM .... 100 × 13 × 36 mm
  HCS-8669SPK .... 88 × 122 × 200 mm
Weight(w/o microphone)
  HCS-8669DM .... 2.4 kg
  HCS-8669BD .... 0.2 kg
  HCS-8669VSE .... 0.2 kg
  HCS-8669CAM 0.1kg
  HCS-8669SPK 0.2kg
Color .... Black (PANTONE 419 C)

Ordering Information

HCS-8669DM ..... Paperless Multimedia Congress Terminal (tabletop, voting, 64 CHs, 14" 1920×1080 LCD, capacitive touch panel, paperless conference functions, video conversation, video display, multiple channel VOD and broadcasting, conference service, internet access, HCS-1082 series E-ink nameplate can be connected, support PoE, black)

HCS-8669BD ..... Discussion Module (delegate unit, HCS-8669DM needed, black, stem microphone to be ordered separately)

HCS-8669VSE ..... Voting & SI Module (5 voting keys, 64 CHs, loudspeaker, HCS-8669DM need, Braille, black)

HCS-8669CAM ..... Camera Module(magnetic, 5 megapixel, HCS-8669DM needed, black)

HCS-8669SPK ..... Loudspeaker Module(HCS-8669DM needed, black)

HCS-8679AC Multimedia Congress Terminal

The stylish and ergonomically designed Multimedia Congress Terminal is equipped with a 15.6" high-resolution (2560×1440) LCD touch panel. It realizes versatile functions, e.g. conference control & management (speech, vote), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, video display, multiple channel VOD (up to 10 channels with 2560×1440 resolution) and broadcasting, short message, call service, etc.

Retractable screen equipped with retractable gooseneck microphone, can be raised and lowered simultaneously or individually.

Features

- **Stylish and ergonomic design**
- **Electronic document distribution for paperless meetings**
- **Based on TAIDEN GMC-STREAM Gigabit Multimedia Congress Stream technology, 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**
- **Aluminum alloy shell, light, beautiful and elegant**
- **Equipped with a 2k Full HD,15.6" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **Supports active stylus pen HCS-8679PEN**
- **Retractable screen design, auto on/off**
- **Screen automatically tilts when raised, with adjustable angle**
- **Retractable gooseneck microphone**
- **Microphone stem can be lifted or lowered independently for perfect storage**
- **Based on TAIDEN MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **64 CHs interpretation with volume control**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz**
- **Supporting "PnP" (plug and play)**
- **Internet access**
- **Excellent immunity to RF interferences from mobile phones**

Functions

- Compliant to ISO 22259
- Aluminum alloy shell, light, beautiful and elegant
- High-standard aluminum shell to ensure screen heat dissipation performance, high-definition silk screen glass to ensure the best visual effect
- The transmission structure is specially treated, noise is minimized, and the internal structure is treated with a waterproof method
- Retractable structure design, after rising, the screen will automatically power on; after falling, the screen will automatically power off
- Support manually control and central control (Up, Pause, Down)
- Equipped with a 1.3-inch touch screen which can be configured with flexible control and indication functions
- The rise, fall and pause of the display can be controlled centrally through the conference system software
- After the screen is raised, it automatically tilts back, and the tilt angle can be adjusted between 0-35 degrees. The tilt angle can be adjusted through the 1.3-inch touch screen, or can be manually adjusted to a comfortable position
- Built-in HDMI module, supports HDMI signal input
- Equipped with a 2k Full HD,15.6" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- Supports active stylus pen HCS-8679PEN
- Frosted glass, eyes protection, non-reflective, anti-fingerprint
- Equipped with a retractable microphone, and the microphone can be lifted or lowered independently, so, it can be lowered when the microphone is not needed
- Press-type USB module, equipped with two USB ports and a headphone jack, which can be pushed up or stored
- 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 GMC-STREAM Gigabit Multimedia Congress Stream technology, 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

- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz
- Gain and lowcut 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
- Priority button
- Mini-microphone, with foam windshield
- Automatic recovery facility, supporting "PnP" (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices
- 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 button with request-to-speak registration (AUTO)
    - "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- 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, 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 Retractable Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Retractable 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
- Memorandum: recording on electronic notebooks and saving the record of the meeting
- 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
- Internet access: related information is available through the Internet or the LAN during the meeting
- 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 2560×1440 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
- 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 main unit)
- Getting authorized from file server, the following meeting control functions will be provided:
  - Microphone control
  - Voting control
  - Desktop sharing control

Controls and Indicators

- 15.6" LCD touch panel for interactive functions
- 1.3" LCD touch panel for controlling
- Uni-directional electret condenser microphone with two–color illuminated ring
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- Type-A USB interface
- One DC slot for connecting to +12V power adapter
- Two Gigabit network ports for "daisy chain" connection

■ HDMI interface, support external video input

■ RS485 interface can be used to connect the central control system

Technical Specifications

Electrical

Power	DC 12 V, 5A

15.6" LCD screen

Type	True color TFT LCD
Dimension	15.6 inches, 16:9
Resolution	2560×1440
Display color	16.7M
Contrast	1000:1

1.3" LCD screen

Dimension	1.3 inches
Resolution	240×240
Display color	262k

Headphone connection

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

Microphone

Transducer	Ø16mm gold-plated electret-condenser
Polar pattern	Hypercardioid uni-directional
Sensitivity	-37dB (0dB=1 V/Pa)
Frequency response	20 Hz to 20 kHz
Directivity 0°/180°	≥28 dB (@1 kHz)
	≥28 dB (@2 kHz)
	≥26 dB (@4 kHz)
Equivalent noise	20 dBA
Maximum sound pressure level	132dB@1kHz, THD≤0.5%

Interface data

Connector	2 ×USB interface (Type-A)
	Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Flush-mounting
Dimensions (h × w × d) (Storage status)	695 ×635x50 mm
Weight	13.5kg
Color	Black (PANTONE 419 C)
Microphone Stem length	410 mm

Ordering Information

HCS-8679AC   Multimedia Congress Terminal (all-in-one retractable terminal, chairman unit, 15.6" 2k Full HD LCD, 2560×1440 resolution, capacitive touch screen, supports active stylus pen, with retractable gooseneck microphone, Ø16mm gold-plated large-diaphragm high performance electret condenser microphone, speech, voting, 64 CHs, paperless conference functions, video display, multiple channel VOD and broadcasting, HDMI input, conference service, internet access, black, microphone and adapter are included)

HCS-8679AD Multimedia Congress Terminal

The stylish and ergonomically designed Multimedia Congress Terminal is equipped with a 15.6" high-resolution (2560×1440) LCD touch panel. It realizes versatile functions, e.g. conference control & management (speech, vote), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, video display, multiple channel VOD (up to 10 channels with 2560×1440 resolution) and broadcasting, short message, call service, etc.

Retractable screen equipped with retractable gooseneck microphone, can be raised and lowered simultaneously or individually.

Features

- **Stylish and ergonomic design**
- **Electronic document distribution for paperless meetings**
- **Based on TAIDEN GMC-STREAM Gigabit Multimedia Congress Stream technology, 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**
- **Aluminum alloy shell, light, beautiful and elegant**
- **Equipped with a 2k full HD,15.6" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **Supports active stylus pen HCS-8679PEN**
- **Retractable screen design, auto on/off**
- **Screen automatically tilts when raised, with adjustable angle**
- **Retractable gooseneck microphone**
- **Microphone stem can be lifted or lowered independently for perfect storage**
- **Based on TAIDEN MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **64 CHs interpretation with volume control**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz**
- **Supporting "PnP" (plug and play)**
- **Internet access**
- **Excellent immunity to RF interferences from mobile phones**

Functions

- Compliant to ISO 22259
- Aluminum alloy shell, light, beautiful and elegant
- High-standard aluminum shell to ensure screen heat dissipation performance, high-definition silk screen glass to ensure the best visual effect
- The transmission structure is specially treated, noise is minimized, and the internal structure is treated with a waterproof method
- Retractable structure design, after rising, the screen will automatically power on; after falling, the screen will automatically power off
- Support manually control and central control (Up, Pause, Down)
- Equipped with a 1.3-inch touch screen which can be configured with flexible control and indication functions
- The rise, fall and pause of the display can be controlled centrally through the conference system software
- After the screen is raised, it automatically tilts back, and the tilt angle can be adjusted between 0-35 degrees. The tilt angle can be adjusted through the 1.3-inch touch screen, or can be manually adjusted to a comfortable position
- Built-in HDMI module, supports HDMI signal input
- Equipped with a 2k full HD,15.6" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- Supports active stylus pen HCS-8679PEN
- Frosted glass, eyes protection, non-reflective, anti-fingerprint
- Equipped with a retractable microphone, and the microphone can be lifted or lowered independently, so, it can be lowered when the microphone is not needed
- Press-type USB module, equipped with two USB ports and a headphone jack, which can be pushed up and stored
- 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 GMC-STREAM Gigabit Multimedia Congress Stream technology, 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

- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz
- Gain and lowcut 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
- Mini-microphone, with foam windshield
- Automatic recovery facility, supporting "PnP" (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices
- 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 button with request-to-speak registration (AUTO)
    - "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- 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, 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 Retractable Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Retractable 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

- Memorandum: recording on electronic notebooks and saving the record of the meeting
- 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
- Internet access: related information is available through the Internet or the LAN during the meeting
- 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 2560×1440 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
- Set any delegate unit to be VIP unit
  - 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

- 15.6" LCD touch panel for interactive functions
- 1.3" LCD touch panel for controlling
- Uni-directional electret condenser microphone with two–color illuminated ring
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- Type-A USB interface
- One DC slot for connecting to +12V power adapter
- Two Gigabit network ports for "daisy chain" connection
- HDMI interface, support external video input
- RS485 interface can be used to connect the central control system

Technical Specifications

Electrical

Power	DC 12 V, 5A

15.6" LCD screen

Type	True color TFT LCD
Dimension	15.6 inches, 16:9
Resolution	2560×1440
Display color	16.7M
Contrast	1000:1

1.3" LCD screen

Dimension	1.3 inches
Resolution	240×240
Display color	262k

Headphone connection

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

Microphone

Transducer	Ø16mm gold-plated electret-condenser
Polar pattern	Hypercardioid uni-directional
Sensitivity	-37dB (0dB=1 V/Pa)
Frequency response	20 Hz to 20 kHz
Directivity 0°/180°	≥28 dB (@1 kHz)
	≥28 dB (@2 kHz)
	≥26 dB (@4 kHz)
Equivalent noise	20 dBA
Maximum sound pressure level	132dB@1kHz, THD≤0.5%

Interface data

Connector	2 ×USB interface (Type-A)
	Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Flush-mounting
Dimensions (h × w × d) (Storage status)	695 ×635× 50 mm
Weight	13.5kg
Color	Black (PANTONE 419 C)
Microphone Stem length	410 mm

Ordering Information

HCS-8679AD Multimedia Congress Terminal (all-in-one retractable terminal, delegate unit, 15.6" 2k Full HD LCD, 2560×1440 resolution, capacitive touch screen, supports active stylus pen, with retractable gooseneck microphone, Ø16mm gold-plated large-diaphragm high performance electret condenser microphone, speech, voting, 64 CHs, paperless conference functions, video display, multiple channel VOD and broadcasting, HDMI input, conference service, internet access, black, microphone and adapter are included)

HCS-8679ACL Multimedia Congress Terminal

The stylish and ergonomically designed Multimedia Congress Terminal is equipped with a 17.3" high-resolution (2560×1440) LCD touch panel. It realizes versatile functions, e.g. conference control & management (speech, vote), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, video display, multiple channel VOD (up to 10 channels with 2560×1440 resolution) and broadcasting, short message, call service, etc.

Retractable screen equipped with retractable gooseneck microphone, can be raised and lowered simultaneously or individually.

Features

- **Stylish and ergonomic design**
- **Electronic document distribution for paperless meetings**
- **Based on TAIDEN GMC-STREAM Gigabit Multimedia Congress Stream technology, 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**
- **Aluminum alloy shell, light, beautiful and elegant**
- **Equipped with a 2k Full HD, 17.3" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **Supports active stylus pen HCS-8679PEN**
- **Retractable screen design, auto on/off**
- **Screen automatically tilts when raised, with adjustable angle**
- **Retractable gooseneck microphone**
- **Microphone stem can be lifted or lowered independently for perfect storage**
- **Based on TAIDEN MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **64 CHs interpretation with volume control**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz**
- **Supporting "PnP" (plug and play)**
- **Internet access**
- **Excellent immunity to RF interferences from mobile phones**

Functions

- Compliant to ISO 22259
- Aluminum alloy shell, light, beautiful and elegant
- High-standard aluminum shell to ensure screen heat dissipation performance, high-definition silk screen glass to ensure the best visual effect
- The transmission structure is specially treated, noise is minimized, and the internal structure is treated with a waterproof method
- Retractable structure design, after rising, the screen will automatically power on; after falling, the screen will automatically power off
- Support manually control and central control (Up, Pause, Down)
- Equipped with a 1.3-inch touch screen which can be configured with flexible control and indication functions
- The rise, fall and pause of the display can be controlled centrally through the conference system software
- After the screen is raised, it automatically tilts back, and the tilt angle can be adjusted between 0-35 degrees. The tilt angle can be adjusted through the 1.3-inch touch screen, or can be manually adjusted to a comfortable position
- Built-in HDMI module, supports HDMI signal input
- Equipped with a 2k Full HD,17.3" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- Supports active stylus pen HCS-8679PEN
- Frosted glass, eyes protection, non-reflective, anti-fingerprint
- Equipped with a retractable microphone, and the microphone can be lifted or lowered independently, so, it can be lowered when the microphone is not needed
- Press-type USB module, equipped with two USB ports and a headphone jack, which can be pushed up or stored
- 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 GMC-STREAM Gigabit Multimedia Congress Stream technology, 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

- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz
- Gain and lowcut 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
- Priority button
- Mini-microphone, with foam windshield
- Automatic recovery facility, supporting "PnP" (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices
- 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 button with request-to-speak registration (AUTO)
    - "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- 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, 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 Retractable Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Retractable 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
- Memorandum: recording on electronic notebooks and saving the record of the meeting
- 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
- Internet access: related information is available through the Internet or the LAN during the meeting
- 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 2560×1440 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
- 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 main unit)
- Getting authorized from file server, the following meeting control functions will be provided:
  - Microphone control
  - Voting control
  - Desktop sharing control

Controls and Indicators

- 17.3" LCD touch panel for interactive functions
- 1.3" LCD touch panel for controlling
- Uni-directional electret condenser microphone with two–color illuminated ring
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- Type-A USB interface
- One DC slot for connecting to +12V power adapter
- Two Gigabit network ports for "daisy chain" connection

- HDMI interface, support external video input
- RS485 interface can be used to connect the central control system

Technical Specifications

Electrical

Power	DC 12 V, 5A

17.3" LCD screen

Type	True color TFT LCD
Dimension	17.3 inches, 16:9
Resolution	2560×1440
Display color	16.7M
Contrast	1000:1

1.3" LCD screen

Dimension	1.3 inches
Resolution	240×240
Display color	262k

Headphone connection

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

Microphone

Transducer	Ø16mm gold-plated electret-condenser
Polar pattern	Hypercardioid uni-directional
Sensitivity	-37dB (0dB=1 V/Pa)
Frequency response	20 Hz to 20 kHz
Directivity 0°/180°	≥28 dB (@1 kHz)
	≥28 dB (@2 kHz)
	≥26 dB (@4 kHz)
Equivalent noise	20 dBA
Maximum sound pressure level	132dB@1kHz, THD≤0.5%

Interface data

Connector	2 ×USB interface (Type-A)
	Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Flush-mounting
Dimensions (h × w × d) (Storage status)	695 ×675x50 mm
Weight	14.5kg
Color	Black (PANTONE 419 C)
Microphone Stem length	410 mm

Ordering Information

HCS-8679ACL   Multimedia Congress Terminal (all-in-one retractable terminal, chairman unit, 17.3" 2k Full HD LCD, 2560×1440 resolution, capacitive touch screen, supports active stylus pen, with retractable gooseneck microphone, Ø16mm gold-plated large-diaphragm high performance electret condenser microphone, speech, voting, 64 CHs, paperless conference functions, video display, multiple channel VOD and broadcasting, HDMI input, conference service, internet access, black, microphone and adapter are included)

HCS-8679ADL Multimedia Congress Terminal

The stylish and ergonomically designed Multimedia Congress Terminal is equipped with a 17.3" high-resolution (2560×1440) LCD touch panel. It realizes versatile functions, e.g. conference control & management (speech, vote), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, video display, multiple channel VOD (up to 10 channels with 2560×1440 resolution) and broadcasting, short message, call service, etc.

Retractable screen equipped with retractable gooseneck microphone, can be raised and lowered simultaneously or individually.

Features

- **Stylish and ergonomic design**
- **Electronic document distribution for paperless meetings**
- **Based on TAIDEN GMC-STREAM Gigabit Multimedia Congress Stream technology, 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**
- **Aluminum alloy shell, light, beautiful and elegant**
- **Equipped with a 2k Full HD,17.3" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **Supports active stylus pen HCS-8679PEN**
- **Retractable screen design, auto on/off**
- **Screen automatically tilts when raised, with adjustable angle**
- **Retractable gooseneck microphone**
- **Microphone stem can be lifted or lowered independently for perfect storage**
- **Based on TAIDEN MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **64 CHs interpretation with volume control**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz**
- **Supporting "PnP" (plug and play)**
- **Internet access**
- **Excellent immunity to RF interferences from mobile phones**

Functions

- Compliant to ISO 22259
- Aluminum alloy shell, light, beautiful and elegant
- High-standard aluminum shell to ensure screen heat dissipation performance, high-definition silk screen glass to ensure the best visual effect
- The transmission structure is specially treated, noise is minimized, and the internal structure is treated with a waterproof method
- Retractable structure design, after rising, the screen will automatically power on; after falling, the screen will automatically power off
- Support manually control and central control (Up, Pause, Down)
- Equipped with a 1.3-inch touch screen which can be configured with flexible control and indication functions
- The rise, fall and pause of the display can be controlled centrally through the conference system software
- After the screen is raised, it automatically tilts back, and the tilt angle can be adjusted between 0-35 degrees. The tilt angle can be adjusted through the 1.3-inch touch screen, or can be manually adjusted to a comfortable position
- Built-in HDMI module, supports HDMI signal input
- Equipped with a 2k Full HD,17.3" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- Supports active stylus pen HCS-8679PEN
- Frosted glass, eyes protection, non-reflective, anti-fingerprint
- Equipped with a retractable microphone, and the microphone can be lifted or lowered independently, so, it can be lowered when the microphone is not needed
- Press-type USB module, equipped with two USB ports and a headphone jack, which can be pushed up and stored
- 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 GMC-STREAM Gigabit Multimedia Congress Stream technology, 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

- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz
- Gain and lowcut 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
- Mini-microphone, with foam windshield
- Automatic recovery facility, supporting "PnP" (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices
- 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 button with request-to-speak registration (AUTO)
    - "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- 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, 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 Retractable Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Retractable 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
- Memorandum: recording on electronic notebooks and saving the record of the meeting
- 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
- Internet access: related information is available through the Internet or the LAN during the meeting
- 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 2560×1440 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
- Set any delegate unit to be VIP unit
  - 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

- 17.3" LCD touch panel for interactive functions
- 1.3" LCD touch panel for controlling
- Uni-directional electret condenser microphone with two–color illuminated ring
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- Type-A USB interface
- One DC slot for connecting to +12V power adapter
- Two Gigabit network ports for "daisy chain" connection
- HDMI interface, support external video input
- RS485 interface can be used to connect the central control system

Technical Specifications

Electrical

Power	DC 12 V, 5A

17.3" LCD screen

Type	True color TFT LCD
Dimension	17.3 inches, 16:9
Resolution	2560×1440
Display color	16.7M
Contrast	1000:1

1.3" LCD screen

Dimension	1.3 inches
Resolution	240×240
Display color	262k

Headphone connection

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

Microphone

Transducer	Ø16mm gold-plated electret-condenser
Polar pattern	Hypercardioid uni-directional
Sensitivity	-37dB (0dB=1 V/Pa)
Frequency response	20 Hz to 20 kHz
Directivity 0°/180°	≥28 dB (@1 kHz)
	≥28 dB (@2 kHz)
	≥26 dB (@4 kHz)
Equivalent noise	20 dBA
Maximum sound pressure level	132dB@1kHz, THD≤0.5%

Interface data

Connector	2 ×USB interface (Type-A)
	Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Flush-mounting
Dimensions (h × w × d) (Storage status)	695 ×675x50 mm
Weight	14.5kg
Color	Black (PANTONE 419 C)
Microphone Stem length	410 mm

Ordering Information

HCS-8679ADL   Multimedia Congress Terminal Multimedia Congress Terminal (all-in-one retractable terminal, delegate unit, 17.3" 2k Full HD LCD, 2560×1440 resolution, capacitive touch screen, supports active stylus pen, with retractable gooseneck microphone, Ø16mm gold-plated large-diaphragm high performance electret condenser microphone), speech, voting, 64 CHs, paperless conference functions, video display, multiple channel VOD and broadcasting, HDMI input, conference service, internet access, black, microphone and adapter are included)

HCS-8679D Multimedia Congress Terminal

Features

- **Stylish and ergonomic design**
- **Electronic document distribution for paperless meetings**
- **Aluminum alloy shell, light, beautiful and elegant**
- **Equipped with a 2k full HD,15.6" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **Supports active stylus pen HCS-8679PEN**
- **Retractable screen design**
- **Screen automatically tilts when raised, with adjustable angle**
- **Supporting "PnP" (plug and play)**
- **Internet access**
- **Excellent immunity to RF interferences from mobile phones**

The stylish and ergonomically designed Multimedia Congress Terminal is equipped with a 2k Full HD,15.6" high-resolution (2560×1440) LCD touch panel. It realizes versatile functions, e.g. conference control & management (vote), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, video display, multiple channel VOD (up to 10 channels with 2560×1440 resolution) and broadcasting etc.

Functions

- Compliant to ISO 22259
- Aluminum alloy shell, light, beautiful and elegant
- High-standard aluminum shell to ensure screen heat dissipation performance, high-definition silk screen glass to ensure the best visual effect
- The transmission structure is specially treated, noise is minimized, and the internal structure is treated with a waterproof method
- Retractable structure design, after rising, the screen will automatically power on; after falling, the screen will automatically power off
- Equipped with a 1.3-inch touch screen which can be configured with flexible control and indication functions
- The rise, fall and pause of the display can be controlled centrally through the conference system software

- After the screen is raised, it automatically tilts back, and the tilt angle can be adjusted between 0-35 degrees. The tilt angle can be adjusted through the 1.3-inch touch screen, or can be manually adjusted to a comfortable position
- Built-in HDMI module, supports HDMI signal input
- Equipped with a 2k full HD,15.6" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- Supports active stylus pen HCS-8679PEN
- Frosted glass, eyes protection, non-reflective, anti-fingerprint
- Press-type USB module, equipped with two USB ports and a headphone jack, which can be pushed up and stored
- Automatic recovery facility, supporting "PnP" (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Every congress unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Multiform voting in combination with the corresponding software modules
- Interactive conference control and management function:
  - Voting management: sign-in, select proposal, multiform voting, voting result display, etc.
- Paperless conference functions:
  - Conference documents management: Download/upload files from/to file server with Retractable Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Retractable 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
  - Memorandum: recording on electronic notebooks and saving the record of the meeting
  - 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
  - Internet access: related information is available through the Internet or the LAN during the meeting
- 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 2560×1440 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:
  - Call service, call secretary
■ Getting authorized from file server, the following meeting control functions will be provided:
  - Voting control
  - Desktop sharing control

Controls and Indicators

■ 15.6" LCD touch panel for interactive functions
■ 1.3" LCD touch panel for controlling

Interconnections

■ Ø 3.5 mm stereo headphone jack with volume control
■ Type-A USB interface
■ Gigabit network interface connects directly to Ethernet and conference management software, please be sure to use the network cable with an ESD drain wire and RJ45 plug with metal shell
■ One DC slot for connecting to 12V DC power adapter
■ HDMI interface, support external video input
■ RS485 interface can be used to connect the central control system

Technical Specifications

Electrical

Power	DC 12 V, 5A

15.6" LCD screen

Type	True color TFT LCD
Dimension	15.6 inches, 16:9
Resolution	2560×1440
Display color	16.7M
Contrast	1000:1

1.3" LCD screen

Dimension	1.3 inches
Resolution	240×240
Display color	262k

Headphone connection

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

Interface data

Connector	2 ×USB interface (Type-A)
	Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Flush-mounting
Dimensions (h × w × d) (Storage status)	500×50×695 mm
Weight	11kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8679D   Multimedia Congress Terminal (retractable terminal, delegate unit, 15.6" 2k Full HD LCD, 2560×1440 resolution, capacitive touch screen, supports active stylus pen, voting, paperless conference functions, video display, multiple channel VOD and broadcasting, HDMI input, conference service, internet access, black, adapter is included)

HCS-8679PEN   Active Stylus Pen

Features

■ For HCS-8679 series multimedia terminal

■ Active capacitive stylus with eraser, Compliant to MPP specifications

■ Pressure rating 4096

■ Working frequency: 18-210 kHz

■ Support three working modes:

 ♦ Working mode: pick up the active pen, the function is awakened, and enter the working mode

 ♦ Hover mode: the distance between the pen lead and the screen is less than 5mm (without touching the screen), and the cursor appears on the screen, indicating that the active pen has been woken up and is ready to enter the working mode

 ♦ Sleep mode: rest the pen for 5 minutes and enter the sleep mode

Technical Specifications

Electrical

Battery......3.7V 65mAh
Charging time......≤1h (Typical 60 Min)
Charging port......Type-C
Charging voltage......5V
Status indication:
　Charging medium......orange light on
　Charging completed......white light on
　Low battery power......orange light blinks

Mechanical

Color......dark gray
Dimension (mm)...... Ø 9×155
Weight (including battery)......14g

Ordering Information

HCS-8679PEN......Active Stylus Pen (for HCS-8679 series multimedia terminal)

HCS-ADP12V5A   Power Adapter

Features

■ Used for supplying power to HCS-8679 series multimedia terminal

Technical Specifications

Electrical

Power supply......AC 100 V - 240 V, 50 Hz / 60 Hz
Output......12 V DC, 5 A
Connector......UL, CE or VDE type, according to the sales area

Mechanical

Cable length......3.5 m
Dimensions (h x w x d)......34 × 118 × 52 mm
Weight......0.4 kg
Color......Black

Ordering Information

HCS-ADP12V5A......Power Adapter (12 V DC, 5 A, for HCS-8679 series multimedia terminal)

HCS-8668ACE/50 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 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**
- **Priority button**
- **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 64CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 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
- 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 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 20 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
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and lowcut 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)
- Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone
- 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 button with request-to-speak registration (AUTO)
    - · "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - · "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - · "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - · "PTT" mode, press microphone On/Off button to talk
  - ♦ Key press sign-in
  - ♦ Voting function (Yes/No/Abstain)
  - ♦ Simultaneous interpretation
- Multiform voting in combination with the corresponding software
- 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 main 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
- 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
- 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	12 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	20 Hz to 20 kHz
Earphone load impedance	>16 Ohm
Earphone output	13 mW

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)

Ordering Information

HCS-8668ACE/50   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, stem microphone to be ordered separately)

HCS-8668ADE/50 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 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**
- ■ **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 20 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
- ■ 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 20 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

■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units

■ Gain and lowcut 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)

■ Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone

■ 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 button with request-to-speak registration (AUTO)
  - ・ "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
  - ・ "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
  - ・ "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
  - ・ "PTT" mode, press microphone On/Off button to talk
- ◆ Key press sign-in
- ◆ Voting function (Yes/No/Abstain)
- ◆ Simultaneous interpretation

■ Multiform voting in combination with the corresponding software

■ Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC

■ Set any delegate unit to be VIP unit
- ◆ 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

■ 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

■ 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	12W

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

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)

Ordering Information

HCS-8668ADE/50   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, stem microphone to be ordered separately)

HCS-8668BCE/50 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 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
- Priority button
- 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 20 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
- 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 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 20 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
- ■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- ■ Gain and lowcut 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)
- ■ Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone
- ■ 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 button with request-to-speak registration (AUTO)
    - · "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - · "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - · "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - · "PTT" mode, press microphone On/Off button to talk
  - ◆ Key press sign-in
  - ◆ Voting function (Yes/No/Abstain)
  - ◆ Simultaneous interpretation
- ■ Multiform voting in combination with the corresponding software
- ■ 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 main 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
- ■ 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
- ■ 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	12 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	20 Hz to 20 kHz
Earphone load impedance	>16 Ohm
Earphone output	13 mW

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)

Ordering Information

HCS-8668BCE/50   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, stem microphone to be ordered separately)

HCS-8668BDE/50 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 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**

■ **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 20 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

■ 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 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 20 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
- ■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- ■ Gain and lowcut 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)
- ■ Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone
- ■ 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 button with request-to-speak registration (AUTO)
    - · "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - · "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - · "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - · "PTT" mode, press microphone On/Off button to talk
  - ♦ Key press sign-in
  - ♦ Voting function (Yes/No/Abstain)
  - ♦ Simultaneous interpretation
- ■ Multiform voting in combination with the corresponding software
- ■ Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- ■ Set any delegate unit to be VIP unit
  - ♦ 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
- ■ 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
- ■ 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	12 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	20 Hz to 20 kHz
Earphone load impedance	>16 Ohm
Earphone output	13 mW

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)

Ordering Information

HCS-8668BDE/50   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, stem microphone to be ordered separately)

HCS-8668BDD/50 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 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**

■ **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 20 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

■ 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 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 20 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

■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units

■ Gain and lowcut 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)

■ Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone

■ 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 button with request-to-speak registration (AUTO)
  - "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
  - "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
  - "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
  - "PTT" mode, press microphone On/Off button to talk
- Key press sign-in
- Voting function (Yes/No/Abstain)
- Simultaneous interpretation

■ Multiform voting in combination with the corresponding software

■ Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC

■ Set any delegate unit to be VIP unit
- 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

■ 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

■ 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 ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯ 12 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 ⎯⎯⎯⎯⎯ 20 Hz to 20 kHz
Earphone load impedance ⎯⎯⎯ >16 Ohm
Earphone output ⎯⎯⎯⎯⎯⎯⎯ 13 mW

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)

Ordering Information

HCS-8668BDD/50 ⎯ 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, stem microphone to be ordered separately)

HCS-8668SCE/50 Multimedia Congress Terminal

Features

- **Stylish and ergonomic design**
- **Based on TAIDEN GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable**
- **Equipped with a 14" LCD touch panel (1920×1080)**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **8-megapixel camera with flashlight**
- **Priority button**
- **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**
- **Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 20 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**
- **Video source selection**
- **HCS-1082 series E-ink Nameplate can be connected**

The stylish and ergonomically designed Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel and an integrated 8 megapixel camera. It realizes versatile functions, e.g. speech, simultaneous interpretation, video display, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- Innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongressTM platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable

- Equipped with a 14" LCD (1920×1080), capacitive touch panel and an integrated 8 megapixel camera
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz
- Video display
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- 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)
- Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone
- 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 button with request-to-speak registration (AUTO)
    - "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Simultaneous interpretation
- 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 mian unit)

Controls and Indicators

- Graphic 14" LCD touch panel for interactive functions
- 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
- Priority button with indicator

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
- 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	20 Hz to 20 kHz
Earphone load impedance	>16 Ohm
Earphone output	13 mW

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)

Ordering Information

HCS-8668SCE/50   Paperless Multimedia Congress Terminal (chairman unit, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs, video display, built-in contactless IC-Card reader, video source selection, HCS-1082 series E-ink nameplate can be connected, support PoE, black, stem microphone to be ordered separately)

HCS-8668SDE Multimedia Congress Terminal

Features

- **Stylish and ergonomic design**
- **Based on TAIDEN GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable**
- **Equipped with a 14" LCD touch panel (1920×1080)**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **8-megapixel camera with flashlight**
- **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**
- **Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 20 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**
- **Video source selection**
- **HCS-1082 series E-ink Nameplate can be connected**

The stylish and ergonomically designed Paperless Multimedia Congress Terminal is equipped with a 14" high-resolution (1920×1080) LCD touch panel and an integrated 8 megapixel camera. It realizes versatile functions, e.g. speech, simultaneous interpretation, video display, etc.

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- Innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongressTM platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable

- Equipped with a 14" LCD (1920×1080), capacitive touch panel and an integrated 8 megapixel camera
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz
- Video display
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- 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)
- Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone
- 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 button with request-to-speak registration (AUTO)
    - "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Simultaneous interpretation
- 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" LCD touch panel for interactive functions
- 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

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
- 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   20 Hz to 20 kHz
Earphone load impedance   >16 Ohm
Earphone output   13 mW

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)

Ordering Information

HCS-8668SDE/50   Paperless Multimedia Congress Terminal (chairman unit, 14" 1920×1080 LCD, capacitive touch panel, camera with 8 megapixel, speech, voting, 64 CHs, video display, built-in contactless IC-Card reader, video source selection, HCS-1082 series E-ink nameplate can be connected, support PoE, black, stem microphone to be ordered separately)

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 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**
- **Priority button**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 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
- 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 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 20 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
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and lowcut 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)
- Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone
- 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 button with request-to-speak registration (AUTO)
    - ・ "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - ・ "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - ・ "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - ・ "PTT" mode, press microphone On/Off button to talk
  - ♦ Key press sign-in
  - ♦ Voting function (Yes/No/Abstain)
  - ♦ Simultaneous interpretation
- Multiform voting in combination with the corresponding software
- 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 main 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
- Channel select icons
- Headphones volume up and down icons
- 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	11 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	20 Hz to 20 kHz
Earphone load impedance	>16 Ohm
Earphone output	13 mW

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)

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, stem microphone to be ordered separately)

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 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**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 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
- 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 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 20 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

■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units

■ Gain and lowcut 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)

■ Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone

■ 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 button with request-to-speak registration (AUTO)
    - "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation

■ Multiform voting in combination with the corresponding software

■ Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC

■ Set any delegate unit to be VIP unit
  - 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

■ Channel select icons

■ Headphones volume up and down icons

■ 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   11 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   20 Hz to 20 kHz
Earphone load impedance   >16 Ohm
Earphone output   13 mW

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)

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, stem microphone to be ordered separately)

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 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**

■ **Priority button**

■ **Transmitting up to 64 CHs high quality digital audio signals**

■ **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 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

■ 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 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 20 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
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and lowcut 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)
- Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone
- 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 button with request-to-speak registration (AUTO)
    - · "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - · "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - · "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - · "PTT" mode, press microphone On/Off button to talk
  - ♦ Key press sign-in
  - ♦ Voting function (Yes/No/Abstain)
  - ♦ Simultaneous interpretation
- Multiform voting in combination with the corresponding software
- 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 main 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
- Channel select icons
- Headphones volume up and down icons
- 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	11 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	20 Hz to 20 kHz
Earphone load impedance	>16 Ohm
Earphone output	13 mW

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)

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, stem microphone to be ordered separately)

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 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**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 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
- 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 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 20 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
- ■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- ■ Gain and lowcut 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)
- ■ Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone
- ■ 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 button with request-to-speak registration (AUTO)
    - · "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - · "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - · "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - · "PTT" mode, press microphone On/Off button to talk
  - ◆ Key press sign-in
  - ◆ Voting function (Yes/No/Abstain)
  - ◆ Simultaneous interpretation
- ■ Multiform voting in combination with the corresponding software
- ■ Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- ■ Set any delegate unit to be VIP unit
  - ◆ 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
- ■ Channel select icons
- ■ Headphones volume up and down icons
- ■ 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	11 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	20 Hz to 20 kHz
Earphone load impedance	>16 Ohm
Earphone output	13 mW

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)

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, stem microphone to be ordered separately)

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 MCA-STREAM 2.0 (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- ■ **Priority button**
- ■ **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 20 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 20 Hz and 20 kHz
- ■ Multiple channel video source selection with 1920×1080 resolution
- ■ Based on TAIDEN MCA-STREAM 2.0 digital audio technology
- ■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- ■ Gain and lowcut 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)
- ■ Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone
- ■ 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
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- 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, please be sure to use the network cable with an ESD drain wire and RJ45 plug with metal shell

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

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

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, stem microphone to be ordered separately)

HCS-8665DE Compact Multimedia Congress Terminal

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 20 Hz and 20 kHz
- Multiple channel video source selection with 1920×1080 resolution
- Based on TAIDEN MCA-STREAM 2.0 digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and lowcut 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)
- Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone
- 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
  - VIP unit can be activated as long as the total of active microphones is not beyond the MU limitation (incl. chairman/delegate/VIP unit)

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 MCA-STREAM 2.0 (Multi_Channel_Audio STREAM) digital processing and transmitting technologies**
- **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 20 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**

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.

Controls and Indicators

- Graphic 14" TFT LCD
- Graphic 128x36 OLED for displaying channel number and language name
- 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
- 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, please be sure to use the network cable with an ESD drain wire and RJ45 plug with metal shell

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

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

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, stem microphone to be ordered separately)

HCS-8665MON Multi-channel Video Monitor

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

Ordering Information

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

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 20 Hz to 20 kHz frequency response for perfect sound quality**

■ **Based on TAIDEN MCA-STREAM 2.0 (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**

■ **Priority button**

■ **Transmitting up to 64 CHs high quality digital audio signals**

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

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

■ **Built-in contactless IC-Card slot**

■ **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 20 Hz to 20 kHz frequency response for perfect sound quality

■ Based on TAIDEN originated MCA-STREAM 2.0 digital audio technology

■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units

■ Gain and lowcut 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)

■ Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone

■ 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 button with request-to-speak registration (AUTO)
    · "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    · "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    · "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    · "PTT" mode, press microphone On/Off button to talk
  ♦ Simultaneous interpretation

- Multiform voting in combination with the corresponding software
- 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 main unit)

Controls and Indicators

- Graphic 10" TFT LCD
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators
- 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, please be sure to use the network cable with an ESD drain wire and RJ45 plug with metal shell

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, microphone to be ordered separately)

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

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)

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 20 Hz to 20 kHz frequency response for perfect sound quality**

■ **Based on TAIDEN MCA-STREAM 2.0 (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**

■ **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 20 Hz to 20 kHz frequency response for perfect sound quality

■ Based on TAIDEN MCA-STREAM 2.0 digital audio technology

■ Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units

■ Gain and lowcut 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)

■ Equipped with 5PIN microphone socket, stem microphone ordered separately, suitable for MS5* and MS**E type stem microphone

■ 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 button with request-to-speak registration (AUTO)
    • "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    • "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    • "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    • "PTT" mode, press microphone On/Off button to talk
  ♦ Simultaneous interpretation

■ Multiform voting in combination with the corresponding software

- 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
  - ♦ 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
- Channel select buttons
- Headphones volume up and down
- Three voting buttons with indicators

Interconnections

- 2 × Ø 3.5 mm stereo headphone jack with volume control
- SDI input
- SDI output
- 2 × RJ45 socket for daisy chain connection, please be sure to use the network cable with an ESD drain wire and RJ45 plug with metal shell

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

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)

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, stem microphone to be ordered separately)

HCS-8600MA/20 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, 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)×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 20 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 microphone, expanding user's application spectrum
- TCP/IP communication protocol in PC control
- Remote control and remote update
- Voting facilities without PC intervention
- Plug and play for all units
- Excellent immunity to RF interferences from mobile phones and comparable devices
- System power controllable by central control system
- Emergency signal interface
- 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)×26 audio matrix processor (n is the number of microphones connected 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 lowcut 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 20 Hz to 20 kHz

■ Based on TAIDEN originated MCA-STREAM 2.0 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

■ Connection facility for additional condenser, 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, 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, user gains access to additional conference control & management functions

■ Advanced TCP/IP communication protocol in PC controlled mode, easy to carry out remote control 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

■ USB interface（Type-C）support digital audio transmission, mainstream conference software is adaptive

■ 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
- 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
- Emergency signal interface: for connection to public emergency system.

Technical Specifications

Electrical

Frequency response	20 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
Power consumption	20W
Load capacity	200 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/20	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/20 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 20 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 microphone, expanding user's application spectrum**
- **TCP/IP communication protocol in PC control**
- **Remote control and remote update**
- **Voting facilities without PC intervention**
- **Plug and play for all units**
- **Excellent immunity to RF interferences from mobile phones and comparable devices**
- **System power controllable by central control system**
- **Emergency signal interface**
- **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, 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 connected 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 32kHz sampling rate is 1.5s, maximum delay time for 48kHz 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 lowcut 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 20 Hz to 20 kHz
- Based on TAIDEN originated MCA-STREAM 2.0 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
- Connection facility for additional condenser 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, 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, user gains access to additional conference control & management functions
- Advanced TCP/IP communication protocol in PC controlled mode, easy to carry out remote control 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
- USB interface（Type-c）support digital audio transmission, mainstream conference software is adaptive
- 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
- 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, audio format *aac

- HDMI interface for HD video input and loop output
- One Ø 3.5 mm headphone jack for audio monitor
- Emergency signal interface: for connection to public emergency system.

Technical Specifications
Electrical

Frequency response	20 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
Power consumption	20W
Load capacity	200W
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/20 .... 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/20 Congress Main Unit

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 20 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 microphone, expanding user's application spectrum**
- **TCP/IP communication protocol in PC control**
- **Remote control and remote update**
- **Voting facilities without PC intervention**
- **Plug and play for all units**
- **Excellent immunity to RF interferences from mobile phones and comparable devices**
- **System power controllable by central control system**
- **Emergency signal interface**
- **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, 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™ technology, integrated (n+8)×10 audio matrix processor (n is the number of microphones connected 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 1s)
    - ・ 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 lowcut 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 20 Hz to 20 kHz
- Based on TAIDEN originated MCA-STREAM 2.0 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

■ Connection facility for additional condenser 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, 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, user gains access to additional conference control & management functions

■ Advanced TCP/IP communication protocol in PC controlled mode, easy to carry out remote control and remote update

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

■ USB interface（Type-c）support digital audio transmission, mainstream conference software is adaptive

■ 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 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

■ Emergency signal interface: for connection to public emergency 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 3.81mm Phoenix connectors

■ RS232 port for connection to central control system

■ 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

■ Emergency signal interface: for connection to public emergency system.

Technical Specifications

Electrical

Frequency response	20 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
Power consumption	20 W
Load capacity	200W
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/20	Fully Digital Congress System Main Unit (discussion, voting, 64 CHs, single-mode optical fiber interface, Mic. group output)

Table 1   Quick lookup table of HCS-8600M CMU/EMU load capability (each outlet)

Type	Type No.	The extension cable length between the CMU(EMU) and the first Congress Unit connected to the socket			
		20 m	40 m	60 m	80 m
Equipped with 6.8" LCD, speaker and microphone	HCS-8685/80	9	8	7	7
Equipped with 4.3" LCD, speaker and microphone	HCS-4890N/80	9	9	9	8
Equipped with 4.3" LCD, Microphone(mute the speaker)	HCS-4890N/80	20	18	16	15
Equipped with 4.3" LCD, speaker and microphone	HCS-4890N/FM/80	9	9	9	8
Equipped with 4.3" LCD, Microphone(mute the speaker)	HCS-4890N/FM/80	20	18	16	15
Equipped with 4.3" LCD , microphone	HCS-4891/80	25	23	20	18
Equipped with OLED, microphone	HCS-4860/80	31	31	30	29
Equipped with OLED, microphone	HCS-4813/HCS-4815	33	32	31	29
Equipped with OLED, speaker and microphone	HCS-4838/80	14	14	13	13
Equipped with OLED, Microphone(mute the speaker)	HCS-4838/80	33	31	31	30
Equipped with OLED, microphone	HCS-48U6/80 series Microphone +Voting + SI +speaker	14	13	12	12
Equipped with OLED, microphone, without the speaker	HCS-48U6/80 series Microphone +Voting + SI	25	25	25	25
Microphone	HCS-48U6MICM/80	25	25	25	25
Speaker and microphone	HCS-48U7M/80	13	12	12	12
Microphone (mute the speaker)	HCS-48U7M/80	25	25	25	25
Equipped with OLED" speaker and microphone	HCS-48U10/80	14	13	12	12
Equipped with 10" LCD, speaker and microphone	HCS-8635	7	7	6	6
Channel selector, microphone	HCS-4825+HCS-4827H	25	24	20	17
Equipped with OLED, microphone	HCS-4827SELM+HCS-4827H	25	25	23	20
Lift Microphone	HCS-4857	25	25	25	25
Voting unit	HCS-4868/4869	50	50	48	46
Voting unit	HCS-48U6DVOTTM/80	25	25	25	25

***Note:**

☞ Speaker-incorporated models, if not otherwise specified, the load data is the measured value when the speaker volume is set to maximum;

☞ HCS-4857 is powered by an adapter, every connection of congress terminals should less than 25.

☞ If the length of an extension cable is from 80 m to 160 m, Cable Splitter HCS-4852T(N) is needed. (Cable splitter is used as repeater only and cannot improve load capability.);

Table.2   Quick lookup table of HCS-8600KMX load capability (each outlet)

Multimedia Terminal	The extension cable length between the HCS-8600KMX and the first Multimedia Terminal connected to the socket			
	20m	40m	60m	80m
HCS-8668/50	8	7	7	7
HCS-8638/50	8	7	7	7
HCS-8669	7	7	6	6
HCS-8668/50+HCS-1082	6	6	6	6
HCS-8638/50+HCS-1082	7	6	6	6
HCS-8669+HCS-1082	6	6	6	6

*Note:

☞   HCS-8679 series is power by HCS-ADP12V5A adapter and every "DELEGATE" port of HCS-8600KMX can connect 25 multimedia terminals.

Table 3   Quick lookup table of HCS-8368T(/50) load capability

Multimedia Terminal	HCS-8368T(/50)	
	PoE without external DC 48 Vpower input	PoE with external DC 48 V power input
HCS-8668	4	7
HCS-8638	5	7
HCS-8665	5	7
HCS-8668+HCS-1082	3	7
HCS-8638+HCS-1082	4	7
HCS-8665+HCS-1082	4	7
HCS-1082N	7	7

Table 4   Quick lookup table of HCS-8600MES load capability

Type	Type No.	The extension cable length between the MES and the first Congress Unit connected to the socket			
		20 m	40 m	60 m	80 m
Equipped with 6.8" LCD, speaker and microphone	HCS-8685	7	7	7	7
Equipped with 4.3" LCD, speaker and microphone	HCS-4890N/80	8	8	7	7
Equipped with 4.3" LCD, Microphone(mute the speaker)	HCS-4890N/80	20	20	19	15
Equipped with 4.3" LCD, speaker and microphone	HCS-4890N/FM/80	8	8	7	7
Equipped with 4.3" LCD, Microphone(mute the speaker)	HCS-4890N/FM/80	20	20	19	15
Equipped with 4.3" LCD , microphone	HCS-4891/80	18	16	14	12
Equipped with OLED, microphone	HCS-4860/80	27	26	25	25
Equipped with OLED, microphone	HCS-4813/HCS-4815	27	26	25	25
Equipped with OLED, speaker and microphone	HCS-4838/80	11	11	10	10
Equipped with OLED, Microphone(mute the speaker)	HCS-4838/80	28	27	26	26
Equipped with OLED, speaker and microphone	HCS-48U6/80 series Microphone +Voting + SI + Speaker	8	8	7	7
Equipped with OLED, Microphone, without the speaker	HCS-48U6/80 series Microphone +Voting + SI	25	25	25	25
Microphone	HCS-48U6MICM/80	25	25	25	25
Speaker and microphone	HCS-48U7M/80	12	12	12	12
Speaker and microphone(mute the speaker)	HCS-48U7M/80	25	25	25	25
Equipped with OLED, speaker and microphone	HCS-48U10/80	8	8	7	7
Equipped with 10" LCD, speaker and microphone	HCS-8635	6	6	5	5
Channel selector, microphone	HCS-4825+HCS-4827H	22	18	14	11
Equipped with OLED, microphone	HCS-4827SELM+HCS-4827H	25	21	17	14
Lift Microphone	HCS-4857	25	25	25	25
Voting unit	HCS-4868/4869	45	45	43	42
Voting unit	HCS-48U6DVOTTM/80	25	25	25	25

*Note:

☞   Speaker-incorporated models, if not otherwise specified, the load data is the measured value when the speaker volume is set to maximum;

☞   HCS-4857 is powered by an adapter, every connection of congress terminals should less than 25.

☞   If the length of an extension cable is from 80 m to 160 m, Cable Splitter HCS-4852T(N) is needed. (Cable splitter is used as repeater only and cannot improve load capability.);

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 2.0 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 2.0 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

Ordering Information

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

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)

HCS-8600MES Congress Extension Unit

Functions

- Based on TAIDEN company originated MCA-STREAM 2.0 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-8600KMX Congress Gigabit Network Switcher

Functions

- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology
- Sync power on/off with the Congress Main Unit
- Built-in PoE switch to choose way of power supply:
  - ◆ ON: connecting DELEGATE port to 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)

Ordering Information

HCS-8600KMX .... Congress Gigabit Network Switcher
              (for paperless multimedia congress
              terminal supports PoE and DC supply)

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-1082N series E-ink electronic nameplates for power supply and conference data transmission
  - Both modes: connecting DELEGATE ports to HCS-8665 series congress terminals 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-1082N series E-ink electronic nameplate) and both modes for HCS-8665 series multimedia terminal.

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-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)
- 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
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance

Technical Specifications

Electrical

Frequency response	20 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
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance

Technical Specifications

Electrical

Frequency response	20 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

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

■ Configurable as Sync/Not sync power on/off with Congress Main Unit

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

■ Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance

Technical Specifications

Electrical

Frequency response	20 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)

HCS-8619 Service Request Control Unit

Functions

■ Stylish and ergonomic design with an ultra-thin 6.5 mm screen

■ Equipped with a 14" LCD touch panel (1920×1080)

■ Capacitive touch panel supporting multi-touch, improves operation experience

■ Cooperates with the "call service" function of paperless multimedia congress terminals

■ Receives and displays seat information, requested service, etc. of the conventioneers, followed by a response

■ DC or PoE power supply

Technical Specifications

Electrical

LCD

Type	True color TFT LCD
Dimension	14 inches, 16:9
Resolution	1920×1080
Display color	2^{18}(18 bit)
Contrast	700:1

Power

Power adapter

Input	AC 100 V - 240 V, 50 Hz / 60 Hz
Output	Voltage: DC +15 V; max. current: 2.4 A; output interface: Ø 5.5 mm plug

Mechanical

Mounting	Tabletop
Dimensions (h × w × d)	208 × 349 × 122 mm
Weight (incl. microphone)	1.7 kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8619　　Service Request Control Unit (14" 1920×1080 LCD, capacitive touch panel, support PoE, HCS-8539 Congress Service Management Software needed, with HCS-ADP15V Power Adapter provided)

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-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-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)
- HCS-8600MCLS Loop Switcher is for connection between the CMU and the congress unit
- HCS-8600MCLS/F Loop Switcher is for connection between the primary and secondary CMU
- Mounting bracket (mounted in a 19" rack) can be chosen

Interconnections

- HCS-8600MCLS:
  - "TO MU" socket for connection to the CMU or EMU
  - The other socket for connection to the congress unit
- HCS-8600MCLS/F
  - "TO MU" socket for connection to the primary CMU
  - The other socket for connection to the secondary CMU

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 (with 2 RJ45 sockets, for "Closed Loop - Daisy Chain" connection between conference unit and the main unit via network cable or 8P-DIN cable)

HCS-8600MCLS/F   Loop switcher (with 2 RJ45 sockets, for "Closed Loop - Daisy Chain" connection between the primary conference main unit and the secondary conference main unit)

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-8316 HDMI Encoder

Functions

- For encoding and network transmitting DVI/HDMI signal
- DVI/HDMI signal acquisition and encoding capability support 1920x1200@60 and backward compatibility, with frame rate of 1 to 30 adjustable
- Adopting DSP processing chip and embedded operating system, reliable due to immunity to network virus attacks
- With HDMI input interface, DVI input interface and Ethernet interface, input DVI/HDMI signal can be transmitted on IP network after encoding
- Supports stereo audio input, using the industry's most advanced audio algorithms and audio sampling frequency of 48 kHz, the audio input sensitivity is adjustable, with better sound quality
- Variety of control methods and MMI to facilitate administrator's and users' tasks
- Parameters can be set up from front panel without a computer, convenient for manual switching
- Supports multiple levels of user access rights
- Supports central control system for the management and operation of the equipment
- The ability of remote upgrading through network
- Widely used in multimedia broadcasting system for various occasions of DVI/HDMI signal acquisition, DVI/HDMI signal remote network transmission, dual stream transmission of video and conferencing, MMI monitoring

Technical Specifications

Electrical

Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Max. consumption	10 W
Ethernet	10 M/100 M/1000 M with autodetect
COM (RS-232)	RS-232, 9-pin female D connector
Audio input	LINE IN 1: XLRF-type socket; LINE IN 2: RCA (L+R)
Audio output	LINE OUT: RCA (L+R)

Mechanical

Mounting	Tabletop or mounted in a 19" rack
Dimensions h × w ×d	43 × 483 × 208 mm (1U high, full rack width)
Weight	2.7 kg
Color	Gray (PANTONE 425 C)

Ordering Information

HCS-8316HDMI	HDMI Encoder

HCS-8317   High Definition Digital AV Decoder

Functions

■ Used for multi-channel digital media signal decoding and output

■ TAIDEN series of video equipment can access encoder or VCR through IP network to realize live or on-demand broadcasting, after decoding, videos can be displayed to display devices via HDMI or VGA output

■ Cooperating with HCS-8300 series paperless multimedia congress system to display the picture of the multimedia congress terminal camera and to share desktop; also convenient for connecting to remote meeting

■ With high-performance DSP chip and dedicated hardware platform, supports 1 channel HDMI video and 1 channel VGA signal synchronization decoding and display, and immunes to network virus attack

■ Supports 1 stereo audio decoder output

■ Variety of control methods and MMI to facilitate administrator's and users' tasks

■ Supports multiple levels of user access rights

■ Visual, interactive, cooperative play function

■ B/S architecture system management and user interface based on IE web browser

■ Supports central control system for the management and operation of the equipment

■ The ability of remote upgrading through network

■ Convenient for the user to record/broadcast at different environments, can be widely used in the place of conference room, lecture hall, demonstration hall and leadership office

■ 1U high, full rack width

■ 2 x USB HOST interface for upgrade

Technical Specifications

Electrical

Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Ethernet	10 M/100 M with autodetect
Audio output	RCA (L+R)
Resolutions	1280×720p@50/60 Hz; 1920×1080i@50/60 Hz; 1920×1080p@25/30/50/60 Hz; 1024×76@60 Hz; 1280×1024@60 Hz; 1366×768@60 Hz; AUTO
Video output	1 channel HDMI, 1 channel VGA signal

Anlong audio

Output impedance	≤100 Ω
Gain	0 dB
Isolation	≥75 dB
SNR	≥80 dB

Mechanical

Mounting	Tabletop or mounted in a 19" rack
Dimensions h × w ×d	43 × 483 × 208 mm (1U high, full rack width)
Weight	2.7 kg
Color	Gray (PANTONE 425 C)

Ordering Information

HCS-8317	HD Digital AV Decoder

HCS-8317BX   High Definition Digital AV Decoder Box

Functions

- Used for digital media signal decoding and output
- Can be used with TAIDEN video equipment, access to the encoder or recorder through the IP network to receive live or on-demand, decoding can be output to the display device via HDMI output
- Cooperating with HCS-8600 series paperless multimedia congress system to display the picture of the multimedia congress terminal camera and to share desktop; also convenient for connecting to remote meeting
- With high-performance DSP chip and dedicated hardware platform, supports 1 channel HDMI video signal synchronization decoding and display
- Visual, interactive, cooperative play function
- 1080P multi-format video decoding (VC-1, MPEG-1/2/4, VP8)
- Support 1920*1080 display, support for HDCP 1.4
- The ability of remote upgrading through network
- Convenient for the user to record/broadcast at different environments, can be widely used in the place of conference room, lecture hall, demonstration hall and leadership office
- 2 x USB 2.0 ports for connecting keyboard, mouse, external storage devices, etc.

Technical Specifications

Electrical

Power supply................................DC 12V 2.5A (ordered separately)
Max. power consumption..20W
Ethernet................................10 M/100 M/1000M with auto detect
USB port..USB 2.0×2
Video output..HDMI×2
Resolutions................................1080P，50/60fps@≥1740Kbps
                        1080P，25/30fps@≥1024Kbps
                        720P，50/60fps@≥832Kbps
                        720P，25/30fps@≥512Kbps

Mechanical

Mounting................................Tabletop or mounted in a 19"
                        rack with HCS-8317BX-RCF
Dimensions h × w ×d................................30×180×119
Weight..0.6 kg
Color..Black

Ordering Information

HCS-8317BX................................HD Digital AV Decoder Box
HCS-8317BX-RCF................................Rack Cabinet Frame
                        (1 HCS-8317BXcan be installed)

HCS-8600WS/MC Web Software for Microphone Control
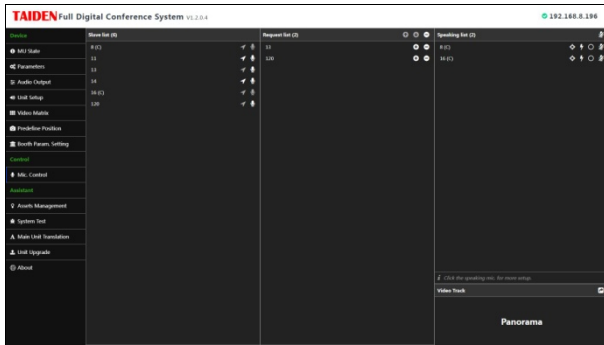

Microphone Control

Functions

For controlling and monitoring current microphone status, as well as automatic video tracking. Facility includes:

- Microphone Control
  - Microphone on/off control
  - Close all active microphone
  - Approve/deny delegates' speaking requests
  - Deny all speaking requests
  - Track unit control
- Unit Setup
  - Setup unit degree, functions and check details
  - Setup unit language
  - Setup ambient microphone

Ordering Information

HCS-8600WS/MC_____Web Software for Microphone Control

HCS-8600WS/VT Web Software for Video Track
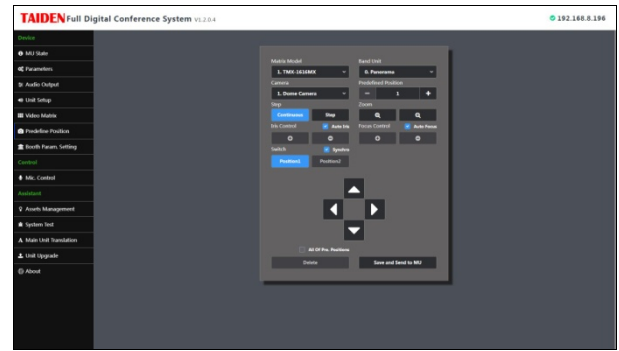

Predefine Position

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: set and adjust the camera preset for each 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-8600WS/VT_____Web Software for Video Track

HCS-8600WS/AO Web software for Audio Output
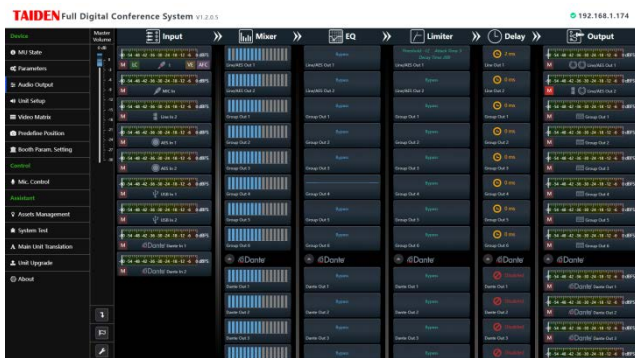
CongressMatrix Software Interface

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 lowcut 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