

HCS-8669 Series Paperless Multimedia Congress Unit



HCS-8669CAM



HCS-8669DM



HCS-8669AC



HCS-8669AD



HCS-8669BD



HCS-8669BC



HCS-8669VSE



HCS-8669SPK

HCS-8669B

Modular Paperless Multimedia Congress Terminal (Chairman)



Features

- Stylish and ergonomic design
- Modular design, flexible collocation on demand
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 14" LCD touch panel (1920×1080), 16:9 display ratio offers better document reading experience(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)
- Based on TAIDEN originated MCA-STREAM 2.0 (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- Equipped with 5PIN microphone socket,stem microphone to be ordered separately,MS**E type stem microphone is suitable
- Pluggable microphone (stem microphone to be ordered separately)
- 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

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.

Functions

- Compliant to ISO 22259
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- Equipped with a 14" LCD (1920×1080), capacitive touch panel
- 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 EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- 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
- USB2 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

Dimension14 inches, 16:9
 Resolution1920×1080
 Display color.....2¹⁸(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(Without microphone stem)
 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, stem
 microphone to be ordered separately, 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-8669B Modular Paperless Multimedia Congress Terminal (Delegate)



Features

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- Modular design, flexible collocation on demand
- Electronic document distribution for paperless meetings
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- 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)
- Based on TAIDEN originated MCA-STREAM 2.0 (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- Equipped with 5PIN microphone socket,stem microphone to be ordered separately,MS**E type stem microphone is suitable
- Pluggable microphone (stem microphone to be ordered separately)
- 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

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 - ◆ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for authorized unit
 - ◆ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
 - ◆ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.
- Paperless conference functions:
 - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
 - ◆ Speech text guidance: speed, font size and font colors configurable by user
 - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
 - ◆ Image file reader

- ◆ Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
- ◆ Delegate information and conference agenda display
- ◆ Photo taking (HCS-8669CAM)
- ◆ Internet access: related information is available through the Internet or the LAN during the meeting
- Multifunction 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
- 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 EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- 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
- Multifunction 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
- USB2 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.....2¹⁸(18 bit)
 Contrast.....800:1

Headphone connection

Frequency response20 Hz to 20 kHz
 Earphone load impedance>16 Ohm
 Earphone output13 mW

Interface data

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

Mechanical

Mounting.....	Tabletop
Dimensions (h x w x d) (w/o microphone)	
HCS-8669DM.....	348 x 147 x 200 mm
HCS-8669BD.....	88 x 122 x 200 mm
HCS-8669VS.....	88 x 122 x 200 mm
HCS-8669CAM.....	100 x 13 x 36 mm
HCS-8669SPK.....	88 x 122 x 200 mm
Weight(Without microphone stem)	
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" 1920x1080 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, stem
microphone to be ordered separately,
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)