

HCS-8638BCE/50 Paperless Multimedia Congress Terminal



Features

- Stylish and ergonomic design
- Electronic document distribution for paperless meetings
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting
- Equipped with a 10" LCD touch panel (1920×1200), 16:10 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- 8-megapixel camera with flashlight
- Based on TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- Priority button
- 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

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.

Functions

- Compliant to ISO 22259
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.5e/Cat.6 network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- Equipped with a 10" LCD (1920×1200), capacitive touch panel and an integrated 8 megapixel camera
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 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
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Adopted fully digital audio transmitting technology between the congress units, and between the congress units and the main units
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- 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
- Microphone On/Off button with indicator
- Priority button with indicator
- Three voting buttons with indicators

Interconnections

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

- DC power supply:
 - ◆ Two Gigabit network ports for “daisy chain” connection
 - ◆ One DC slot for connecting to 2-meter power branch cable (CBL4PT-02A)
- PoE: supporting PoE connection of each RJ45 port

Technical Specifications

Electrical

Max. consumption.....11 W

LCD

Type.....True color TFT LCD

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

Resolution.....1920×1200

Display color.....2²⁴(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)