HCS-8338ACE
New Generation
Paperless Multimedia Congress
Terminal

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

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

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

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

Functions

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

- Paperless conference functions:
  - Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
  - Speech text guidance: speed, font size and font colors configurable by user
  - Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
  - Image file reader
  - 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
  - Take photo
  - Delegate photo for attendance check and record facility on important conferences
  - Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
  - Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
  - Multiple channel VOD (up to 10 channels with 1280×800 resolution)
  - Video display function:
    - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
    - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
    - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
  - Short messages reader and editor
  - Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed

- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Built-in fingerprint identification module
- Optional printed nameplate (HCS-8338ACE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338ACE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
  - Set the number of delegates permitted to speak at the same time
  - Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
    - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
    - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
  - Activation at any time (if the number of active microphones in the system is less than 6)
  - Priority button to switch off or to mute the speaking units according to preset
  - Approves/denies delegate speaking request(s) without PC
  - Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
  - Microphone control
  - Voting control
  - Desktop sharing control

Controls and Indicators

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

Interconnections

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

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1280×800
Display color	2^{18} (18 bit)
Contrast	500:1

Headphone connection

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

Microphone

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

Interface data

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

Mechanical

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

Ordering Information

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

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

HCS-8338ADE
New Generation
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.6 Gigabit network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting**

■ **Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience**

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

■ **5-megapixel camera with flashlight**

■ **"Closed Loop - Daisy Chain" connection topology**

■ **Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality**

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

■ **64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half**

■ **Pluggable microphone**

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

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

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

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

■ **Built-in fingerprint identification module**

■ **Internet access**

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

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Functions

■ Compliant to IEC 60914

■ Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable

■ Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.6 Gigabit network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information

■ The LCD touch screen can be switched off, and only basic discussion and voting function can be realized

■ Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera

■ "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system

■ Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality

■ Interactive conference control and management function:

♦ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit

♦ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.

♦ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
  - Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
  - Speech text guidance: speed, font size and font colors configurable by user
  - Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
  - Image file reader
  - 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
  - Take photo
  - Delegate photo for attendance check and record facility on important conferences
  - Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
  - Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
  - Multiple channel VOD (up to 10 channels with 1280×800 resolution)
  - Video display function:
    - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
    - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
    - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
  - Short messages reader and editor
  - Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed

- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Built-in fingerprint identification module
- Optional printed nameplate (HCS-8338ADE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338ADE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
  - Set the number of delegates permitted to speak at the same time
  - Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
    - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
    - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
  - Up to 32 units can be set as VIP in one system via application software
  - VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
  - Microphone control
  - Voting control
  - Desktop sharing control

Controls and Indicators

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

Interconnections

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

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1280×800
Display color	2^{18} (18 bit)
Contrast	500:1

Headphone connection

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

Microphone

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

Interface data

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

Mechanical

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

Ordering Information

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

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

HCS-8338NBCE New Generation Paperless Multimedia Congress Terminal

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

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

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

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

Functions

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

- Paperless conference functions:
    - Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
    - Speech text guidance: speed, font size and font colors configurable by user
    - Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
    - Image file reader
    - 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
    - Take photo
    - Delegate photo for attendance check and record facility on important conferences
    - Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
    - Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
    - Multiple channel VOD (up to 10 channels with 1280×800 resolution)
    - Video display function:
        - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
        - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
        - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
    - Short messages reader and editor
    - Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)

- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8338BCE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338BCE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
    - Set the number of delegates permitted to speak at the same time
    - Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
        - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
        - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
        - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
        - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
        - "PTT" mode, press microphone On/Off button to talk
    - Key press sign-in
    - Voting function (Yes/No/Abstain)
    - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
    - Activation at any time (if the number of active microphones in the system is less than 6)
    - Priority button to switch off or to mute the speaking units according to preset
    - Approves/denies delegate speaking request(s) without PC
    - Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
    - Microphone control
    - Voting control
    - Desktop sharing control

Controls and Indicators

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

Interconnections

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

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1280×800
Display color	2^{18} (18 bit)
Contrast	500:1

Headphone connection

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

Microphone

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

Interface data

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

Mechanical

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

Ordering Information

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

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

HCS-8338NBCE/FM
New Generation
Paperless Multimedia Congress
Terminal

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

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

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

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

Functions

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

- Paperless conference functions:
  - Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
  - Speech text guidance: speed, font size and font colors configurable by user
  - Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
  - Image file reader
  - 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
  - Take photo
  - Delegate photo for attendance check and record facility on important conferences
  - Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
  - Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
  - Multiple channel VOD (up to 10 channels with 1280×800 resolution)
  - Video display function:
    - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
    - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
    - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
  - Short messages reader and editor
  - Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield

- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs interpretation with volume control
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
  - Set the number of delegates permitted to speak at the same time
  - Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
    - ·"OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
    - ·"OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - ·"VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - ·"APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - ·"PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
  - Activation at any time (if the number of active microphones in the system is less than 6)
  - Priority button to switch off or to mute the speaking units according to preset
  - Approves/denies delegate speaking request(s) without PC
  - Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
  - Microphone control
  - Voting control
  - Desktop sharing control

Controls and Indicators

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

Interconnections

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

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1280×800
Display color	2^{18} (18 bit)
Contrast	500:1

Headphone connection

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

Microphone

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

Interface data

Connector	Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Flush-mounting
Dimensions (h × w × d) (w/o stem microphone)	178 × 392 × 83 mm
Weight (incl. stem microphone)	1.8 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 240 mm, 410 mm, 470 mm

Ordering Information

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

HCS-8338NBDE
New Generation
Paperless Multimedia Congress
Terminal

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

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

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.6 Gigabit network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting**

■ **Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience**

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

■ **5-megapixel camera with flashlight**

■ **"Closed Loop - Daisy Chain" connection topology**

■ **Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality**

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

■ **64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half**

■ **Pluggable microphone**

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

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

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

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

■ **Internet access**

Functions

■ Compliant to IEC 60914

■ Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable

■ Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.6 Gigabit network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information

■ The LCD touch screen can be switched off, and only basic discussion and voting function can be realized

■ Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera

■ "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system

■ Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality

■ Interactive conference control and management function:
  ♦ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
  ♦ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
  ♦ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
  - Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
  - Speech text guidance: speed, font size and font colors configurable by user
  - Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
  - Image file reader
  - 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
  - Take photo
  - Delegate photo for attendance check and record facility on important conferences
  - Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
  - Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
  - Multiple channel VOD (up to 10 channels with 1280×800 resolution)
  - Video display function:
    - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
    - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
    - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
  - Short messages reader and editor
  - Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain

- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8338ADE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338ADE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
  - Set the number of delegates permitted to speak at the same time
  - Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
    - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
    - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
  - Up to 32 units can be set as VIP in one system via application software
  - VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
  - Microphone control
  - Voting control
  - Desktop sharing control

Controls and Indicators

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

Interconnections

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

Technical Specifications

Electrical

Max. consumption .... 10 W

LCD

Type .... True color TFT LCD
Dimension .... 10 inches, 16:10
Resolution .... 1280×800
Display color .... 2^{18} (18 bit)
Contrast 500:1

Headphone connection

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

Microphone

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

Interface data

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

Mechanical

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

Ordering Information

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

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

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New Generation
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Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

Features

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

Functions

- Compliant to IEC 60914
- Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.6 Gigabit network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information
- The LCD touch screen can be switched off, and only basic discussion and voting function can be realized
- Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera
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  - ♦ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

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  - 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
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  - Delegate information and conference agenda display
  - Take photo
  - Delegate photo for attendance check and record facility on important conferences
  - Internet access: related information is available through the Internet or the LAN during the meeting
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
  - Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
  - Multiple channel VOD (up to 10 channels with 1280×800 resolution)
  - Video display function:
    - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
    - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
    - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
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  - Short messages reader and editor
  - Call service, call secretary
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- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)

- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain
- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs interpretation with volume control
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
  - Set the number of delegates permitted to speak at the same time
  - Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
    - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
    - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
  - Up to 32 units can be set as VIP in one system via application software
  - VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
  - Microphone control
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  - Desktop sharing control

Controls and Indicators

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

Interconnections

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

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1280×800
Display color	2^{18} (18 bit)
Contrast	500:1

Headphone connection

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

Microphone

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

Interface data

Connector	Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Flush-mounting
Dimensions (h × w × d) (w/o stem microphone)	178 × 392 × 83 mm
Weight (incl. stem microphone)	1.8 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 240 mm, 410 mm, 470 mm

Ordering Information

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

HCS-8338BCE
New Generation
Paperless Multimedia Congress
Terminal

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

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

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

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.6 Gigabit network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting**

■ **Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience**

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

■ **5-megapixel camera with flashlight**

■ **"Closed Loop - Daisy Chain" connection topology**

■ **Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality**

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

■ **64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half**

■ **Priority button**

■ **Pluggable microphone**

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

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

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

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

Functions

■ Compliant to IEC 60914

■ Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable

■ Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.6 Gigabit network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information

■ The LCD touch screen can be switched off, and only basic discussion and voting function can be realized

■ Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera

■ "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system

■ Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality

■ Interactive conference control and management function:

♦ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit

♦ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.

♦ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
  - Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
  - Speech text guidance: speed, font size and font colors configurable by user
  - Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
  - Image file reader
  - 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
  - Take photo
  - Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
  - Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
  - Multiple channel VOD (up to 10 channels with 1280×800 resolution)
  - Video display function:
    - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
    - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
    - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
  - Short messages reader and editor
  - Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain

- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8338BCE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338BCE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
  - Set the number of delegates permitted to speak at the same time
  - Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
    - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
    - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
  - Activation at any time (if the number of active microphones in the system is less than 6)
  - Priority button to switch off or to mute the speaking units according to preset
  - Approves/denies delegate speaking request(s) without PC
  - Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
  - Microphone control
  - Voting control
  - Desktop sharing control

Controls and Indicators

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

Interconnections

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

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1280×800
Display color	2^{18} (18 bit)
Contrast	500:1

Headphone connection

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

Microphone

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

Interface data

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

Mechanical

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

Ordering Information

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

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

HCS-8338BCE/FM
New Generation
Paperless Multimedia Congress
Terminal

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

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

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

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

Functions

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

- Paperless conference functions:
  - Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
  - Speech text guidance: speed, font size and font colors configurable by user
  - Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
  - Image file reader
  - 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
  - Take photo
  - Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
  - Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
  - Multiple channel VOD (up to 10 channels with 1280×800 resolution)
  - Video display function:
    - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
    - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
    - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
  - Short messages reader and editor
  - Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain

- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs interpretation with volume control
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
  - Set the number of delegates permitted to speak at the same time
  - Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
    - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
    - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Chairman unit: features all delegate functions, additionally:
  - Activation at any time (if the number of active microphones in the system is less than 6)
  - Priority button to switch off or to mute the speaking units according to preset
  - Approves/denies delegate speaking request(s) without PC
  - Launches parliamentary voting (YES/NO/ABSTAIN) session without PC
- Getting authorized from file server, the following meeting control functions will be provided:
  - Microphone control
  - Voting control
  - Desktop sharing control

Controls and Indicators

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

Interconnections

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

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1280×800
Display color	2^{18} (18 bit)
Contrast	500:1

Headphone connection

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

Microphone

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

Interface data

Connector	Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Flush-mounting
Dimensions (h × w × d) (w/o stem microphone)	178 × 392 × 83 mm
Weight (incl. stem microphone)	1.8 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 240 mm, 410 mm, 470 mm

Ordering Information

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

HCS-8338BDE
New Generation
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.6 Gigabit network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting**

■ **Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience**

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

■ **5-megapixel camera with flashlight**

■ **"Closed Loop - Daisy Chain" connection topology**

■ **Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality**

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

■ **64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half**

■ **Pluggable microphone**

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

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

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

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

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

Functions

■ Compliant to IEC 60914

■ Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable

■ Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.6 Gigabit network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information

■ The LCD touch screen can be switched off, and only basic discussion and voting function can be realized

■ Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera

■ "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system

■ Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality

■ Interactive conference control and management function:
   ♦ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit
   ♦ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.
   ♦ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
  - Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
  - Speech text guidance: speed, font size and font colors configurable by user
  - Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
  - Image file reader
  - 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
  - Take photo
  - Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
  - Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
  - Multiple channel VOD (up to 10 channels with 1280×800 resolution)
  - Video display function:
    - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
    - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
    - Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
  - Short messages reader and editor
  - Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain

- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8338ADE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338ADE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
  - Set the number of delegates permitted to speak at the same time
  - Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
    - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
    - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
  - Up to 32 units can be set as VIP in one system via application software
  - VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
  - Microphone control
  - Voting control
  - Desktop sharing control

Controls and Indicators

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

Interconnections

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

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1280×800
Display color	2^{18} (18 bit)
Contrast	500:1

Headphone connection

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

Microphone

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

Interface data

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

Mechanical

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

Ordering Information

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

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

HCS-8338BDE/FM
New Generation
Paperless Multimedia Congress
Terminal

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

Loudspeaker with superior acoustics with minimal feedback for enhanced intelligibility.

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.6 Gigabit network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting**

■ **Equipped with a 10" LCD touch panel (1280×800), 16:10 display ratio offers better document reading experience**

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

■ **5-megapixel camera with flashlight**

■ **"Closed Loop - Daisy Chain" connection topology**

■ **Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality**

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

■ **64 CHs × 2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half**

■ **Pluggable microphone**

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

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

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

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

Functions

■ Compliant to IEC 60914

■ Globally unique innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable

■ Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, all audio and video signals are transmitted via a Cat.6 Gigabit network cable, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information

■ The LCD touch screen can be switched off, and only basic discussion and voting function can be realized

■ Equipped with a 10" LCD (1280×800), capacitive touch panel and an integrated 5 megapixel camera

■ "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units in the system

■ Supports 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality

■ Interactive conference control and management function:

♦ Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for chairman unit

♦ Voting management: sign-in, select proposal, multiform voting, voting result display and taking photo for voting, etc.

♦ Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.

- Paperless conference functions:
  - ◆ Conference documents management: Download/upload files from/to file server with Paperless Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Paperless Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
  - ◆ Speech text guidance: speed, font size and font colors configurable by user
  - ◆ Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
  - ◆ Image file reader
  - ◆ 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
  - ◆ Take photo
  - ◆ Delegate photo for attendance check and record facility on important conferences
- Ingenious video conversation function: video conversation between any two Paperless Multimedia Congress Terminals within the system, or realizing remote video conference through video server
- Multiform video service:
  - ◆ Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
  - ◆ Multiple channel VOD (up to 10 channels with 1280×800 resolution)
  - ◆ Video display function:
    - ▪ The large hall screen video can be displayed on the Congress Terminals through video encoder and video server (HDMI, SDI, VGA, CVBS, DVI, etc.)
    - ▪ Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
    - ▪ Video file playback either from Paperless Multimedia Congress Terminal or from SD card
- Conference service:
  - ◆ Short messages reader and editor
  - ◆ Call service, call secretary
- Based on TAIDEN originated MCA-STREAM digital audio technology
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Mini-microphone, with foam windshield
- Stem microphone can be unplugged during adjournment, easy to maintain

- Built-in Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Supports up to 64 (1+63) CHs simultaneous interpretation
- 64 CHs×2 interpretation with volume control. Two delegates may share one unit thus cutting the cost by half (earphone needed)
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Optional printed nameplate (HCS-8338ADE)
- Built-in E-ink electronic nameplate, display size: 310 mm x 60 mm (HCS-8338ADE-NP)
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
  - ◆ Set the number of delegates permitted to speak at the same time
  - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
    - ・"OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
    - ・"OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - ・"VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - ・"APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - ・"PTT" mode, press microphone On/Off button to talk
  - ◆ Key press sign-in
  - ◆ Voting function (Yes/No/Abstain)
  - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
  - ◆ Up to 32 units can be set as VIP in one system via application software
  - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
  - ◆ Microphone control
  - ◆ Voting control
  - ◆ Desktop sharing control

Controls and Indicators

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

Interconnections

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

Technical Specifications

Electrical

Max. consumption	10 W

LCD

Type	True color TFT LCD
Dimension	10 inches, 16:10
Resolution	1280×800
Display color	2^{18} (18 bit)
Contrast	500:1

Headphone connection

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

Microphone

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

Interface data

Connector	Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Flush-mounting
Dimensions (h × w × d) (w/o stem microphone)	178 × 392 × 83 mm
Weight (incl. stem microphone)	1.8 kg
Color	Black (PANTONE 419 C)
Stem length	330 mm (standard version), 240 mm, 410 mm, 470 mm

Ordering Information

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