TAIDEN®

Paperless Multimedia Congress System

Smart control for unparalleled experience

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CONTENTS

Paperless Multimedia Congress System

Products

References

HCS-8600 Series

Paperless Multimedia Congress System

Paperless multimedia congress system, developed by TAIDEN as early as in 2010, has ushered in a new era for the conferencing industry and has been used at many high-profile international conferences and meeting venues, proving in turn its excellence and superiority.

Evolved through multiple upgrades, it further elevates conference experience with a 14-inch Full HD capacitive touchscreen, 8MP camera, and fingerprint/card sign-in. Both desktop and flush-mounting models are available for flexible choice. The newly launched HCS-8669 series features an modular design, allowing for flexible customization to fit any meeting need. With an ultra-thin build and intuitive interaction, it sets a new standard for stability, scalability, and ease of use-empowering global government and corporate institutions with smarter, more efficient meeting management.

HCS-8600M Series
Fully Digital Congress System Main Unit

Main Unit

HCS-8600ME Series Congress Extension Main Units
HCS-8600KMX Congress Gigabit Network Switcher
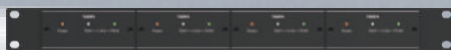HCS-8600POE Congress PoE Network Switcher

HCS-8600MIO Series
Audio Input & Output Devices

HCS-8316HDMI Encoder

HCS-8600MCLS Series Loop Switcher

HCS-8679 Series
Retractable Paperless Multimedia Congress Terminal

HCS-8668 & HCS-8638 Series
Tabletop Paperless Multimedia Congress Terminal

HCS-8669 Series
Modular Paperless Multimedia Congress Terminal

HCS-8665 Series
Compact Multimedia Congress Terminal

System Advantage

Single-Cable Transmission, Stable Data Flow

Based on TAIDEN patented GMC-STREAM Gigabit Multimedia Congress Stream technology, all AV signals are transmitted through a Cat.6 cable, ensuring the real-time performance and stability of important data streams such as conference audio, voting and control information.

Proprietary Platform, Secure and Reliable

Proprietary mMediaCongressTM platform with independent intellectual property rights ensures that the system is virus-free, hacker free, reliable and safe.

Comprehensive Redundancy, Uninterrupted Meetings

Conference main units redundancy, connection redundancy between the conference main unit and the extension unit, and PC server redundancy. Another conference main unit or connection is set as backup and takes over automatically if the system fails.

Versatile Fun

Speech, sign-in, v
video on demand,
speech text guida

Low Power C

Designed for high
consumption is ab
environmental frie

Extensive Co

The paperless mul
condenser microp
devices, etc.

Retractable Paperless Multimedia Congress Terminal

HCS-8679 Series

▸ Retractable design allows independent adjustments of screen and microphone , with screen angle adjustable from 0 to 35 degrees.

▸ 15.6" or 17.3" 2K Full HD touch screen with frosted glass, anti-glare, and fingerprint-resistant for a comfortable viewing experience.

▸ Hypercardioid microphone with 16mm gold-plated diaphragm, offering high sensitivity, wide frequency response, and 132dB max SPL.

▸ Supports discussion, voting, 64-channel interpretation, multi-channel VOD, speech text guidance, and desktop sharing for efficient paperless meetings.

▸ 1.3" touchscreen for easy language switching, screen angle adjustment, and microphone lifting/lowering control, ensuring simple operation.

▸ Press-type USB module with two USB ports and a headphone jack, which can rise for use and retract for storage, providing convenience.

▸ Optional active stylus HCS-8679PEN with 4096 pressure rating for precise, natural writing and annotation.

Retractable design   87% screen-to-body ratio   2K HD display   Smooth writing experience
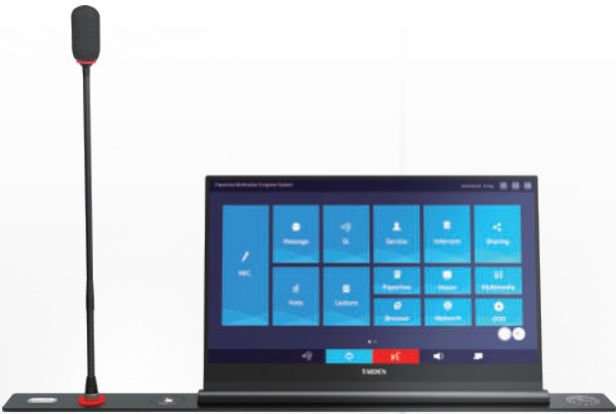
Specifications

Model	HCS-8679AC HCS-8679AD HCS-8679D	HCS-8679ACL HCS-8679ADL
Dimension	15.6", 16:9	17.3", 16:9
Resolution	2560×1440	
Display color	16.7M(8 bit)	
Contrast	1000:1	
Microphone		
Transducer	Hypercardioid uni-directional, Ø16mm gold-plated electret-condenser capsule	
Sensitivity	-37 dB(0dB=1 V/Pa)	
Frequency response	20 Hz ~ 20 kHz	
Directivity	0°/120°: ≥28 dB (@1 kHz) ≥28 dB (@2 kHz) ≥26 dB (@4 kHz)	
Equivalent noise	20 dBA	
Maximum SPL	132dB@1kHz, THD≤0.5%	
SNR	74 dBA	
Mechanical		
Dimension (h×w×d)	695×635×50 mm (HCS-8679AC、 HCS-8679AD) 695×500×5 mm (HCS-8679D)	695×675×50 mm
Mic stem length	410 mm	410 mm
Weight	13.5 kg	14.5 kg

Modular Paperless Multimedia Congress Terminal

HCS-8669 Series

▸ Modular design allows for combination of different modules to meet diverse conference needs.

▸ 14" 1920×1080 HD LCD touch panel with a 16:9 aspect ratio for clear document viewing and smooth video playback.

▸ Supports discussion, voting, 64-channel interpretation, multi-channel VOD, speech text guidance, and desktop sharing for efficient paperless meetings.

▸ HCS-8669AC and HCS-8669AD Discussion Modules: with highly directional array microphone for enhanced audio capture.

▸ HCS-8669BD and HCS-8669BE Discussion Modules: with 5-pin microphone socket, compatible with MS5G and MS**E series stem microphones.

▸ HCS-8669VSE Voting & SI Module: supports button sign-in and multiple voting forms with the corresponding software.

▸ HCS-8669CAM Camera Module: 5MP magnetic camera for system-wide video calls and remote conferences.

▸ HCS-8669SPK Loudspeaker Module: high-fidelity loudspeaker with auto-mute function to prevent feedback and ensure clear sound.

Specifications

LCD	
Screen dimension	14", 16:9
Resolution	1920×1080
Display color	18 bit
Contrast	800:1
Mechanical	
Dimension (h×w×d)	200×348×147 mm
Weight	3 kg
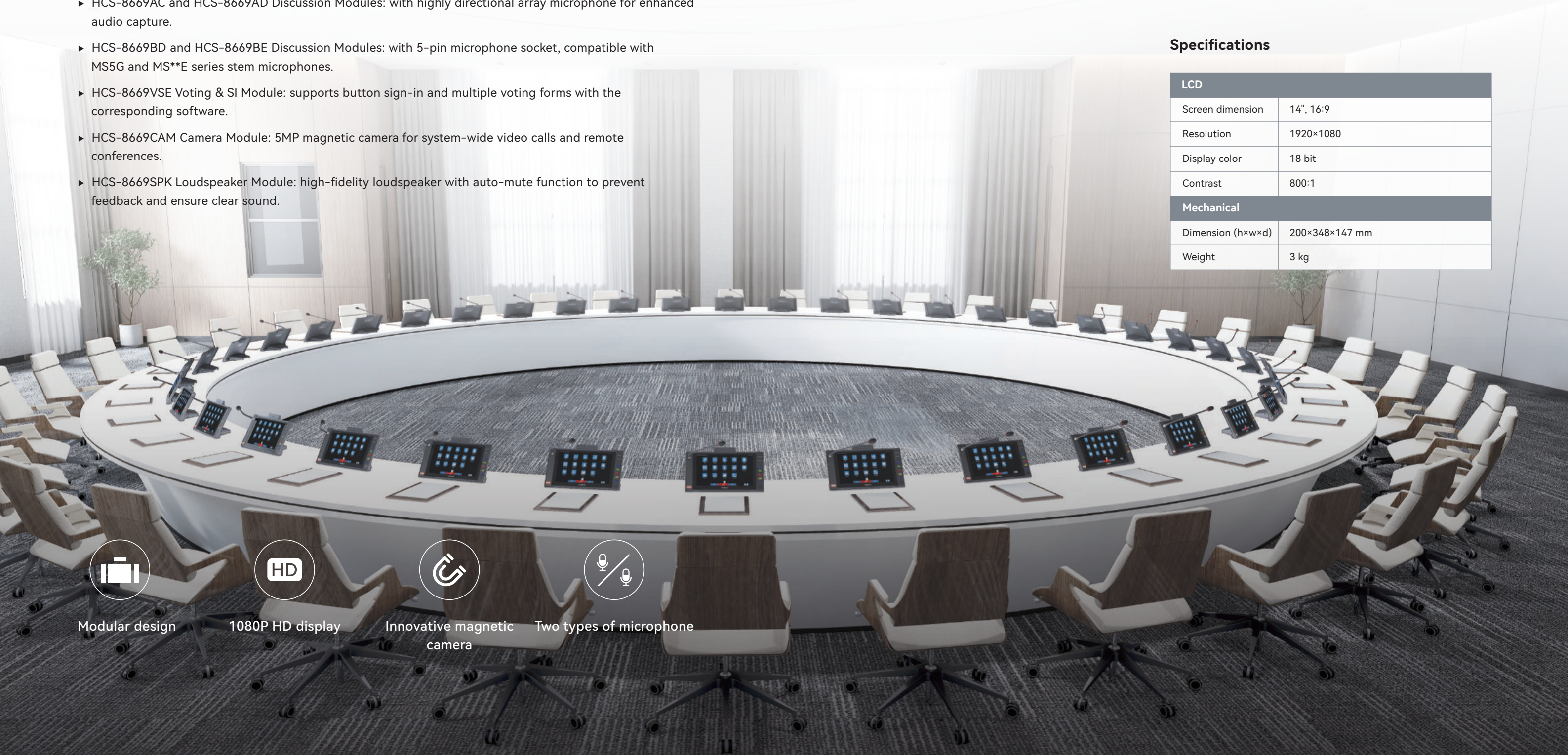
Modular design

1080P HD display

Innovative magnetic camera

Two types of microphone

Tabletop Paperless Multimedia Congress Terminal

HCS-8668 & HCS-8638 Series

▶ HCS-8668 series: 14" 1920×1080 high-definition LCD touch panel, 16:9 aspect ratio, 8MP camera with flashlight.

▶ HCS-8638 series: 10'' 1920×1200 high-definition LCD touch panel, 16:10 aspect ratio, 8MP camera with flashlight.

▶ Supports 48 kHz audio sampling and frequency response from 20 Hz to 20 kHz for clear sound capture.

▶ Supports discussion, voting, 64-channel simultaneous interpretation, video calls, multi-channel VOD and broadcasting, fingerprint recognition, Internet access, etc.

▶ Equipped with 5-pin microphone socket, compatible with MS5G and MS**E series stem microphones, which are removable for easy maintenance.

▶ Tactile buttons with Braille for accessibility, ensuring seamless participation for all attendees.

▶ Supports PoE (Power over Ethernet) for simplified installation and enhanced system stability and reliability.

HCS-8668 Series (14")

HCS-8638 Series (10")

Specifications

LCD	HCS-8668 Series	HCS-8638 Series
Screen dimension	14", 16:9	10", 16:10
Resolution	1920×1080	1920×1200
Display color	18 bit	24 bit
Contrast	800:1	1000:1
Mechanical		
Dimension (h×w×d)	194×447×123 mm	155×360×110 mm
Weight	2.5 kg	1.7 kg

HD
1080p HD display

8MP
8MP camera with flashlight

Supports Power over Ethernet

Compact Multimedia Congress Terminal

HCS-8665 Series

▸ 14" 1920×1080 high-definition LCD with a 16:9 aspect ratio and a contrast ratio of 800:1, delivering clear visuals for attendees.

▸ Supports discussion, voting, IC card sign-in, 64-channel simultaneous interpretation, video playback, multi-channel VOD and broadcasting.

▸ 48 kHz audio sampling and frequency response from 20 Hz to 20 kHz, ensuring high-quality audio.

▸ Supports HDMI high definition digital video display, compatible with video format converter or processor for various video signal inputs.

▸ Equipped with 5-pin microphone socket, compatible with MS5G and MS**E series stem microphones, which are removable for easy maintenance.

▸ Tactile buttons with Braille for accessibility, ensuring seamless participation for all attendees.

HCS-8665 Series

HCS-8665MON_B Multi-channel Video Monitor

Specifications

LCD	
Screen dimension	14", 16:9
Resolution	1920×1080
Display color	18 bit
Contrast	800:1
Mechanical	
Dimension (h×w×d)	194×447×123 mm
Weight	2.5 kg

14" HD touch panel   HDMI input   Optional stem microphones

Compact Multimedia Congress Terminal

HCS-8635 Series

▸ 10" 1280×800 high-definition LCD with a 16:10 aspect ratio and 500:1 contrast, providing clear visuals for attendees.

▸ Supports discussion, voting, IC card sign-in, 64-channel simultaneous interpretation, video playback, multi-channel VOD and broadcasting, etc.

▸ 48 kHz audio sampling and frequency response from 20 Hz to 20 kHz, ensuring high-quality audio.

▸ Supports SDI high definition digital video display, compatible with video format converter or processor for various video signal inputs.

▸ Equipped with 5-pin microphone socket, compatible with MS5G and MS**E series stem microphones, which are removable for easy maintenance.

▸ Tactile buttons with Braille for accessibility, ensuring seamless participation for all attendees.

Specifications

LCD	
Screen dimension	10", 16:10
Resolution	1280×800
Display color	18 bit
Contrast	500:1
Mechanical	
Dimension (h×w×d)	155×360×110 mm
Weight	1.7 kg
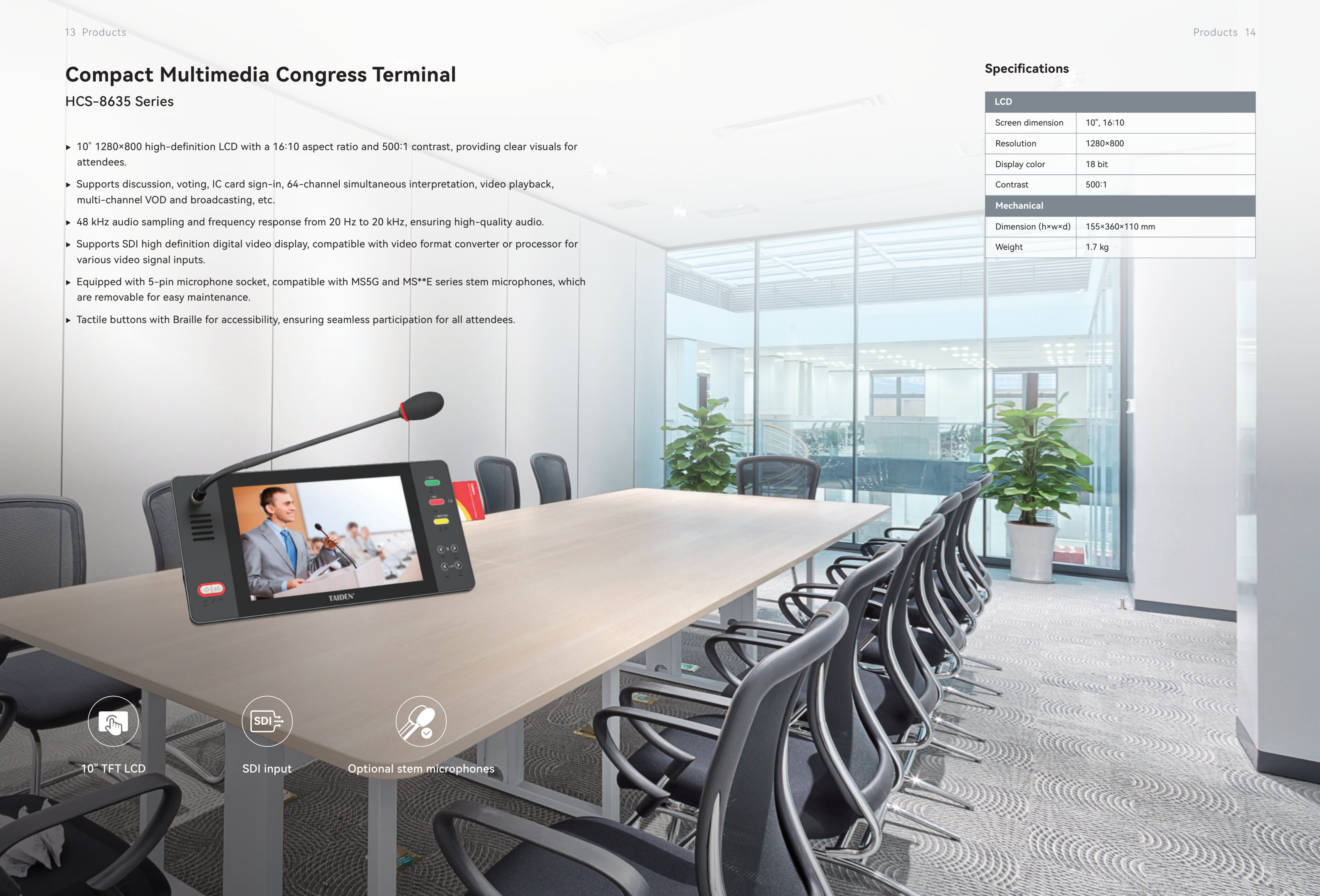
10" TFT LCD

SDI input

Optional stem microphones

# Paperless Multimedia Congress Terminal Function List

Model	HCS-8679 Series	HCS-8669 Series	HCS-8668 Series	HCS-8638 Series	HCS-8665 Series	HCS-8635 Series
Speech	Optional	Optional	•	•	•	•
IC card sign-in			•	•	•	•
Fingerprint reader			•	•		
Vote	•	•	•	•	•	•
64 Chs SI	Optional	•	•	•	•	•
Speech text guidance	•	•	•	•		
Conference documents management	•	•	•	•		
Conference documents reader	•	•	•	•		
Memorandum	•	•	•	•		
Desktop sharing	•	•	•	•		
Internet access	•	•	•	•		
Delegate information	Optional	•	•	•		
Conference agenda display	•	•	•	•		
Photo	Expandable	Optional	•	•		
Video conversation	Expandable Optional	Optional	•	•		
Video display	•	•	•	•	•	•
Multiple channel VOD	•	•	•	•		
Multiple channel video broadcasting	•	•	•	•		
Message	Optional	•	•	•		•
Call for service	•	•	•	•		
Mounting	Flush-mounting Retractable	Modular Tabletop	Tabletop	Tabletop	Tabletop	Tabletop
E-ink nameplate connection		•	•	•	•	

Paperless Multimedia Congress System Software

Interactive Meeting Management	
Speech	Viewing room layout, speaker list, request-to-speak list, etc.
Sign-in	Key-press sign-in, fingerprint sign-in or RFID card sign-in
Voting	Viewing voting proposals, various forms of voting, etc.
SI	Change the language, adjust the headset volume, etc.
Paperless Conference	
Conference documents management	Download/upload/delete file, right for conference document management
Conference documents reader	Conference documents reader and editor with authorized software license, supports a variety of input methods
Speech text guidance	Automatic or manual speech guidance with configurable speed, font size and color
Meeting record	Note taking and saving on the built-in electronic notebook
Web browsing	Documents issued by this congress terminal can be displayed on large hall screens and other congress terminals to realize ad hoc reporting
Web browsing	Browse information via the internet
Other	Delegate information and seating display, conference agenda display, photographing, delegate photo for attendance check and record facility on important conferences
Multiform Video Service	
Ingenious video conversation	Any two conference terminals in the system can hold video chats, or remote video conferences can be implemented using the video server
Multiple channel video broadcasting	Various video sources from such as HD camera, cable TV or video tape can be broadcasting high definition synchronously to all congress terminals
Multi-channel video on demand	Multichannel video on demand (up to 10 channels)
Video display	The large hall screen can be displayed on the congress terminals through video encoder and video server Video commercials can be published on video server and watched on congress terminals Video file playback either from congress terminal or from USB disk
Conference Service	
Short messages reader and editor	Send short messages to the specified congress terminal
Call service and call secretary	Messages can be sent to the backstage meeting service personnel, such as replenishing tea, providing pens and paper
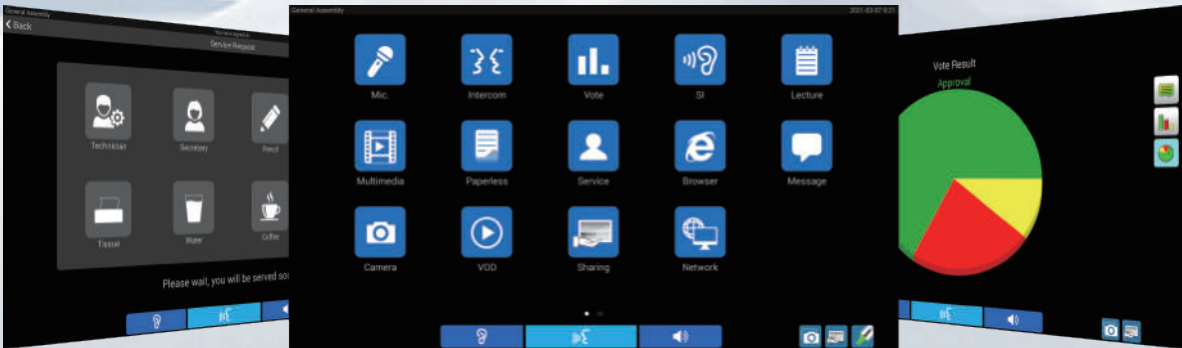
Application Software

HCS-8600 Series

Modular Design
With over 20 customizable modules, including voting management, video control, simultaneous interpretation, and E-ink nameplate management, users can select modules as needed to fit the specific needs and scale of different meetings.

Comprehensive Coverage
Pre-meeting customization for room layout, seating arrangement, and background settings. During the meeting, it supports control of microphones, video tracking, interpretation, and voting. Post-meeting features include sign-in statistics, voting result output, and meeting recording playback, catering to diverse conference requirements.

High Reliability
Dual PC Server Hot Spare Software and Dual System Main Unit Hot Spare Software ensure seamless switching in case of primary device failure, guaranteeing uninterrupted meetings and enhancing system stability.

Strong Scalability
The software supports remote control and management via networked screens and multimedia terminals. It also supports multiple communication protocols for easy integration with third-party platforms (such as OA systems).
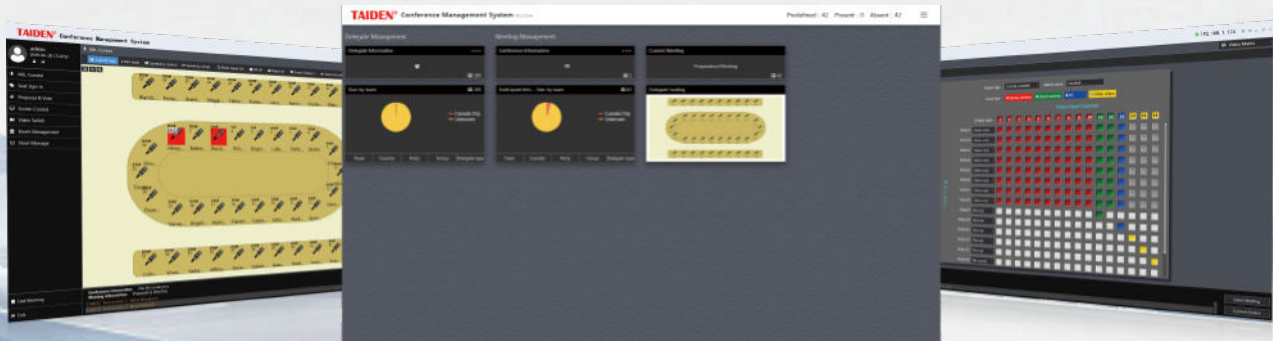
Function List

Module	Function
HCS-8510 Basic System Setup Management Software	Venue design, meeting management, host settings, unit settings, information display, system testing, report system, user management, etc.
HCS-8512 Professional Venue Design Software	Seating layout design, file and object definition operations, etc.
HCS-8513 Microphone Management Software	Seating, personnel, microphone management, etc.
HCS-8514 Voting Management Software	Voting, seating, and personnel management, multi-from voting
HCS-8515 Video Control Software	Automatic video tracking, camera preset adjustment, etc.
HCS-8516 Simultaneous Interpretation Software	Channel setup and interpreter management
HCS-8519 Synchronous Audio Recording Management Software	Audio recording and playback
HCS-8521 Multi-User Conference Control Software	Assign user permissions, accessible via browsers and portable devices by scanning QR codes
HCS-8522 Dual PC Server Hot Spare Software	If the primary computer fails, the backup one automatically takes over
HCS-8525 Dual System Main Unit Hot Spare Software	If the primary main unit fails, the backup one switches to primary mode
HCS-8526 Touched/Contactless IC-Card Sign in Management Software	IC card sign-in, supports issuing, reporting loss, recovering, setting chairman cards, etc.
HCS-8529 Fingerprint Identification Management Software	Fingerprint sign-in, fingerprint data management
HCS-8531 Electronic Nameplate Management Software	Control HCS-1082 series E-ink nameplates
HCS-8532 Electronic Nameplate Management Software	Control HCS-1082N series E-ink nameplates
HCS-8532G Electronic Nameplate Server	Control HCS-1082/HCS-1085 series E-ink nameplates, work independently
HCS-8538 CongressMatrix Software	Audio matrix processing, group recording, etc.
HCS-8539 Congress Service Management Software	Service call response
HCS-8540 Video Service Software	Video broadcasting, video on-demand, camera management, recording management
HCS-8541 File Management Software	Terminal parameter settings, message management, and file management
HCS-8544S Booth Management Software	Booth allocation, channel setting
HCS-8546 PC Encoder Software	Transmit the video, PPT, documents, and other content displayed on the computer to the multimedia management platform
HCS-8547 LAN Extension Screen Software	Set the computer screen on the network as an extended screen

Fully Digital Congress System Main Unit

HCS-8600M Series

▸ Built-in (n+8)×26 audio matrix processor, supporting up to 26 audio outputs, including LINE, AES, group, USB, and Dante outputs. Each microphone features independent gain and 5-band EQ adjustment with a built-in high-pass filter for enhanced audio quality and feedback suppression.

▸ 48 kHz audio sampling with a frequency response of 20 Hz–20 kHz ensures high-fidelity sound transmission.

▸ Supports discussion, voting, and 64-channel simultaneous interpretation. When paired with channel selectors and the infrared language distribution system, it accommodates a larger audience.

▸ With extension main unit, it connects up to 4,096 conference units and 378 interpreter units, ideal for large-scale meetings.

▸ Supports remote control and system upgrades via a web interface.

▸ Automatic recovery function and hot-swappable connections ensure uninterrupted meetings.

▸ Increased reliability with "Closed Loop - Daisy Chain"connection topology. Breakdown or change of congress units and connection failure of a cable will not affect other units.

▸ Main unit redundancy guarantees seamless operation for important meetings.

Function List

Model	HCS-8600MA/20	HCS-8600MBU/20	HCS-8600MB/20
Optical fiber interface	•	•	•
Dante interface	•		
AES/EBU interface	•		
HDMI interface		•	
USB audio recording		•	

Specifications

Electrical	
System capacity	4096 conference units
Frequency response	20 ~ 20000 Hz
SNR	≥100 dBA
THD	≤0.05%
Mechanical	
Dimensions (h×w×d)	95×480×418 mm（For table use, with feet ） 88×480×418 mm（For 19" rack use ）
Weight	7.9 kg

2.8" LCD display

High-fidelity audio transmission

Versatile conference functions

Highly reliable redundancy mechanism

Peripheral Equipment

Congress Extension Main Units
HCS-8600ME Series

▸ Cooperates with HCS-8600M series Congress Main Unit for system capacity extension

▸ With two duplex SC single-mode optical fiber interfaces, 5 congress unit outlets

▸ HCS-8600MEA2 has two power inputs for main input and backup input

Congress PoE Network Switcher
HCS-8600POE

▸ KMX mode for HCS-8668/8638/8669 series paperless multimedia congress terminals; supports PoE

▸ Normal mode for HCS-1082N series E-ink electronic nameplates

▸ Arbitrary mode for HCS-8665 series paperless multimedia congress terminals

Congress Extension Unit
HCS-8600MES

▸ Features relay functionality to amplify audio signals for stable transmission

▸ Provides reliable power to connected conference units

▸ Sync power on/off with the Congress Main Unit

Audio Input & Output Devices
HCS-8600MIO Series

▸ HCS-8600MIO/16AD: 16 channels digital and analog audio inputs & outputs, Dante interface, single-mode optical fiber interface

▸ HCS-8600MIO/08A: 8 channels analog audio inputs & outputs, single-mode optical fiber interface

▸ HCS-8600MIO/08D: 8 channels digital audio inputs & outputs, Dante interface, single-mode optical fiber interface

Congress Gigabit Network Switcher
HCS-8600KMX

▸ Used for connection with TAIDEN paperless multimedia congress terminals; supports PoE and DC power

▸ Can connect with the Congress Main Unit or cascading to another HCS-8600KMX

▸ Can connect with Ethernet switcher

Loop Switcher
HCS-8600MCLS Series
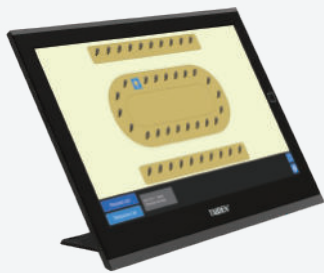
▸ HCS-8600MCLS is for connection between conference unit and the main unit.

▸ HCS-8600MCLS/F is for connection between the primary and the secondary conference main unit.

Service Request Control Unit
HCS-8619

▶ Cooperates with paperless multimedia congress terminals or HCS-4890/HCS-4891 series, used for receiving and displaying seat information, requested service, etc.

▶ 14" 1920×1080 HD LCD capacitive touch panel; supports PoE

▶ Used with the HCS-8539 Congress Service Management Software

Distributor
HCS-8368T/50

▶ Used to expand the number of PoE power supply units in the system

▶ Can connect with HCS-8368/8668/8665/8669 series congress terminals and HCS-1082 series E-ink nameplate

▶ If five or more output ports are used, please connect to external power adapter

Booth Manager
HCS-8685BM

▶ Allocates booths at will without changing existing wiring; up to 6 interpreter units can be connected

▶ Back-lit 132x32 LCD display, showing IP address of the Booth Manager and booth number

▶ Supports Web control for access and complete configuration via web page

Encoder
HCS-8316HDMI

▶ Designed for encoding and network transmitting DVI/HDMI signal

▶ Supports stereo audio input with an audio sampling frequency of 48 kHz; the audio input sensitivity is adjustable

▶ Features various control methods and MMI to facilitate administrator's and users' tasks

Congress Room Combiner
HCS-8300MX

▶ Perfect solution for selectively combining or separating meeting rooms; up to 8 Congress Main Units per HCS-8300MX unit

▶ Cascadable to combine up to 14 meeting rooms

▶ Graphic 256 × 32 LCD with back-lighting displays configuration of RJ45 standard sockets, supporting multi-language menu

HD Digital AV Decoder Box
HCS-8317BX

▶ Designed for digital media signal decoding, it works with TAIDEN video equipment to receive live or on-demand content, decoding it for output to display devices

▶ Compatible with the HCS-8600 Paperless Congress System for displaying camera feeds and desktop sharing content

▶ Supports 1080P resolution and various video decoding formats, ensuring lossless playback of high-definition video

References

United Nations Headquarters

United Nations Office at Geneva

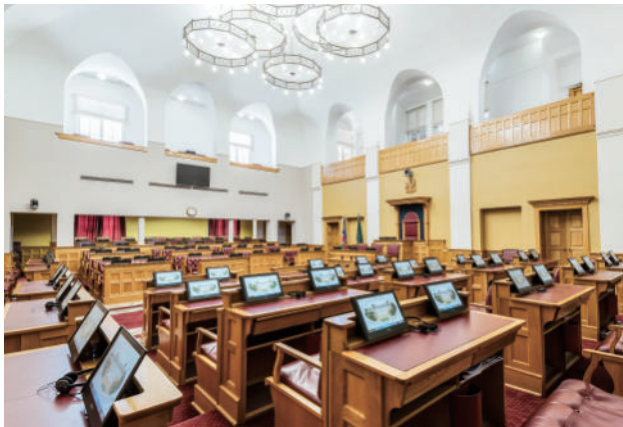
G7 African Ministerial Meeting

The Asia-Europe Meeting (ASEM)

United Nations Africa Hall (UNECA)

United Nations Conference Centre in Addis Ababa

Namibian Parliament

Departmental Hall, France

World Bank Headquarters

OPCW Headquarters

Pskov Region Government Building

Assembly Meeting Room of La Meuse Region in France

References

Antimafia Headquarter, Italy

Moscow Regional Duma, Russia

Ekaterinburg City Duma

Centre Hospitalier Universitaire(CHU) de Reims

Supreme Court of Ukraine

Sabah State Legislative Assembly

National University of Science and Technology

Bank of Canada

Cortland County Legislative Chambers, New York

Legislative Assembly of the Republic of Costa Rica

Shenzhen International Exchange Center

Hilton Tashkent City