

HCS-9000MB HyCon Main Unit



HCS-9000M series HyCon Main Unit is used to connect offline conference systems (such as TAIDEN fully digital congress system, TAIDEN infrared wireless conference system, etc.) and video tracking equipment (such as: video matrix, video conference Camera, etc.). It connected the offline conference system to the hybrid conference system, and transmitted the remote audio and video signals to local. It can be controlled by HCS-9365 or by screen & keyboard & mouse.

Features

- Suitable for advanced applications from simple to complex, with rich audio & video interfaces;
- Supports dual 1080p60 display of video and content collaboration, provide realistic video effects and perfect collaboration experience, and improve video utilization;
- Adopts the most cutting-edge hardware processing platform and algorithm (H.264 high profile) to save more than 50% of broadband;
- Simple user interface, new users can get started easily without training, providing the best experience;
- Supports dual stream display and takes 2 network video streams as camera video streams;
- 4xHDMI camera inputs, which can realize video tracking;
- 1xHDMI PC input, which can remotely play PPT, etc.;
- 1xRCA stereo audio input/output, compatible with other brand audio conference system;
- USB is used to connect external mouse, keyboard and TAIDEN conference system main unit;
- Connects to the audio of TAIDEN conference system main unit through USB cable to realize perfect combination of local conference system and remote conference system;
- 3xHDMI outputs can connect multiple local displays at the same time;
- Built-in Hycon system application, supports Remote mode, SI mode (HCS-8600MIO needed) and Share mode, used for audio and audio communication
- 8P-DIN is used to connect to HCS-9365;
- LAN is used to connect to the network;
- Can be installed in a 19 inch standard cabinet.

Technical Specifications

Electrical

Video input	4xHDMI camera, 1xHDMI PC
Video output	3xHDMI
Video standards	H.261, H.263, H.264, H.264 High Profile
Video resolution	1080p, 50/60fps@≥1740Kbps 1080p, 25/30fps@≥1024Kbps 720p, 50/60fps@≥832Kbps 720p, 25/30fps@≥512Kbps 4SIF/4CIF, 50/60fps@≥512Kbps 4SIF/4CIF, 25/30fps@≥128Kbps SIF(352×240), CIF(352×288) QSIF(176×120), QCIF(176×144) W288p, W448, W576p
Content resolution	Input: WUXGA(1920×1200), HD(1920×1080p), HD(1920×1080i), WSXGA+(1680×1050), UXGA(1600×1200), SXGA(1280×1024), WXGA(1280×768), HD(1280×720p), XGA(1024×768), VGA(640×480) Output: WUXGA(1920×1200), HD(1920×1080), WSXGA+(1680×1050), SXGA+(1400×1050), SXGA(1280×1024), HD(1280×720), XGA(1024×768), VGA(640×480) Maximum frame rate: 60fps
Audio input	4xHDMI audio input 1xUSB audio input from TAIDEN conference system main unit 1xRCA stereo line in
Audio output	3xHDMI, 1xUSB audio output to TAIDEN conference system main unit 1xRCA stereo line out
Audio standards	AAL-LD, G.719, G.722, G.722.1, G.722.1C, G.728, G.729A, G.711
Others	USB, RS232, 8P-DIN
Network	100M/1000M Ethernet port
Security	Algorithm: SHA-1, SHA-256, AES(256-bit, CBC/OFB/counter), PRNG Manage menu, Web interface and Telnet API with authentication FIPS 140-2 authentication, encryption, PKI & certificate management
Power supply	AC 100V-240V 50/60 Hz
Color	black (PANTONE 419 C)
Dimensions (h × w × d)	For table use, with feet 48 × 480 × 288 mm For 19" rack use 45 × 480 × 288 mm
Weight	3.6 kg

Ordering Information

HCS-9000MB..... HyCon Main Unit (Hybrid conference system, 4xHDMI camera input with video tracking, 1xPC input, 3xHDMI video output, multiple USB ports, dual stream display)

HCS-9365 HyCon Control Panel



Features

- Exquisite and elegant, ergonomic and modern;
- Equipped with 14 inch 1920*1080 high-resolution LCD touch screen with 16:9 display ratio provides better use experience;
- Capacitive touch screen supports multi touch to improve operation experience;
- Connecting to HCS-9000M Hycon main unit through network cable to realize the control function;
- Connection:
 - ◆ RJ45;
 - ◆ CAT5E cable with metal shielded RJ45 plug connector is recommended to connect to HCS-9000M through CBL8P2RJ45S adapter cable;

Technical Specifications

Screen size.....	14 inch, 16:9
Resolution.....	1920*1080
Color.....	18bits
Contrast.....	800:1
Maximum power consumption	14 W
Connection.....	Cat5E cable with metal shielded RJ45 plug
Installation.....	tabletop
Color.....	black (PANTONE 419 C)
Dimension width*depth*height(mm).....	349*122*208
Dimensions (h × w × d).....	208x349x122
Weight.....	1.7kg

Ordering Information

HCS-9365.....HyCon Control Panel (Hybrid conference system, tabletop, 14 inch 1920*1080 HD LCD, capacitive touch screen, black)

HCS-8600MIO/08D

8 Channels Audio Input & Output Device



Functions

- 8 channels digital audio inputs & outputs
- Supports Dante, an uncompressed, multi-channel digital media networking technology, with near-zero latency and synchronization
- With web page control function, parameters can be set through web browser
- Transmits multi digital audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Converts the digital audio signals of the Congress System to multi channel digital audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- When the EXTENSION1 interface is set in PC mode, it can be used for network audio transmission, connecting to ASR system, etc.
- With web control function, detailed parameters can be set through web browser
 - ◆ Work as audio input device
 - Set audio source
 - Adjust input gain or set it mute
 - Display input level in real-time
 - Set input SI channel
 - 5 band Parameterized EQ + DRC (dynamic range compressor)
 - Supports for configuration scene saving, calling and switching
 - ◆ Work as audio output device
 - Display audio source
 - Adjust output gain
 - Display output level in real-time
 - Set output SI channel
 - 5 band Parameterized EQ + DRC (dynamic range compressor)
 - Supports for configuration scene saving, calling and switching
 - ◆ Work as BM mode: for booth management
- Configurable as Sync/Not sync power on/off with Congress Main Unit

Controls and Indicators

- Graphic 132 × 32 LCD with back-lighting displays input & output channel number and language name, supporting multi-language menu
- Power switch with indicator

Interconnections

- Dante module for 8 channels digital audio transmission
- Duplex SC single-mode optical fiber interface and Extension interface for connection with Congress Main Unit (only one interface can be connected at the same time to the Main Unit)
- Extension interface for connection with the sequencing Congress Extension Main Unit or Audio Input & Output Device
- RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance

Technical Specifications

Electrical

Frequency response	20 Hz to 20 kHz
SNR	≥100 dBA
Dynamic range	≥94 dB
Isolation	≥90 dB
THD	≤0.05%
Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption	65 W

Max. audio inputs

Input sensitivity adjustable range.....-20 dB ~ +10 dB, mute

Max. audio outputs

Output level adjustable range.....-30 dB~ +20 dB, mute

Mechanical

Mounting	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet	48 × 480 × 288 mm
For 19" rack use	45 × 480 × 288 mm
Weight	3.6 kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-8600MIO/08D.....8 Channels Audio Input & Output Device
(Dante interface, single-mode optical fiber interface)

HCS-9550 HyCon Information Service

The Hybrid Conference System Information Service is installed on server with Linux operating system. It includes conference information, delegate information, sign-in information, participant management, user management and other settings.

Delegate

- Including delegate management, authority management and group management
- Delegate management: establish and manage a database of representative information
- Authority management: used to set delegate authority
- Group management: set the group, manager delegates according to the group

Conference

- Including conference information and meeting type
- Creation of a new meeting for appointed conference
- Each conference consists of several meetings
- Conference information: manage conferences, meetings, agendas and proposals
- Freely switch between the meetings to manage
- Meeting type: create a meeting type, users can only view the conference information of the meeting type group which they belong

Historical meeting

- Archive and view historical meeting information

Participant

- Including participant and Delegate seating
- Participant: select the delegate(s) to participate in the conference from the database
- Delegate seating: assign seats for the delegates

Sign-in

- Including IC Card management, PIN code management and fingerprint management
- IC Card management: used for IC card distribution, loss/activate, recovery, etc.
- PIN Code management: generate a password for the delegates, and delegates sign in with the password
- Fingerprint management: used for fingerprint enroll, search, delete, import and export functions

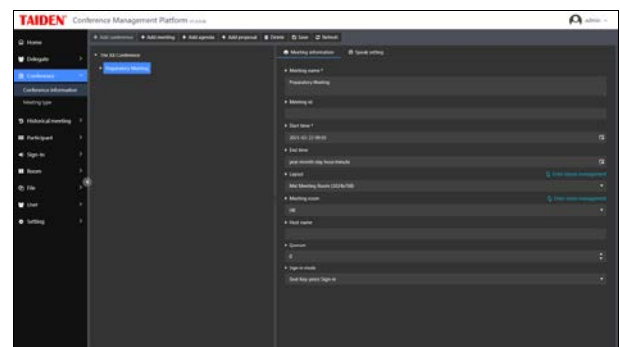
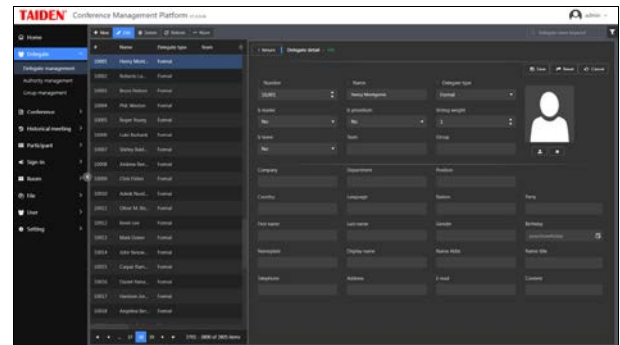
User

Create/delete an user, change user's password and authorization

- Including user management, role management and user profile
- User management: create new user, assign his/her role and category
- Role management: create new roles
- Supports deleting an user
- User profile: change password and other information

Setting

- Server setting: set the server, you can control the server to reboot or shut down



HCS-9550 HyCon Information Service (Hybrid Conference system, install on server with Linux operating system, basic setup for conference, including conference information, delegate information, sign-in information, participant management, user management and other settings)

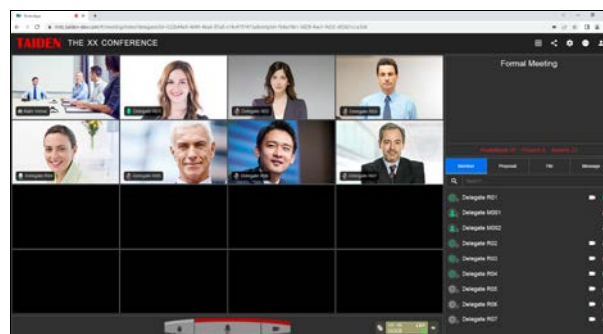
HCS-9510 HyCon Communication Platform

- Reliable video quality: provide ultra-high sound quality experience; supports up to 1080P, resolution and bit rate can be freely switched, fusion of a variety of video coding processing algorithms, better picture quality, lower bit rate
- Extreme smooth experience: the weak network countermeasure algorithm and congestion control algorithm ensure smooth audio calls under 80% packet loss and smooth video calls under 70% packet loss, providing users with higher quality real-time video call services
- Super-resolution: it supports real-time super-dividing of mobile terminals, realizing real-time reconstruction from low-resolution video to high-resolution video, and comprehensively improving the picture quality and resolution of source video
- Enhanced visual effects: real-time dark light enhancement algorithm is supported to provide clear, bright images even in dark environments

HCS-9510HyCon Communication Service (Hybrid Conference system, real time communication Service)

HCS-9511/200 HyCon User license

- It is used for conference video management
- Display video on video conferencing client
- Supports screen/window/page sharing
- Supports whiteboard
- Supports service for 200 remote participants



HCS-9511/200HyCon User License (Hybrid Conference system, for maximum 200 users, private cloud)

HCS-9514 HyCon Vote License

- Voting authority setting for remote participants
- Every HCS-9514 module supports voting function for 50 remote participants
- Real-time display of proposal list, proposal information, voting process and vote result
- If the delegate have participated in the conference locally, they will be used as a backup extension after accessing the remote video conference service. The statistics of sign-in and voting results are counted by the backup extension



HCS-9514HyCon Vote License (Hybrid Conference system, voting authority setting for remote participants, each HCS-9514 module supports voting function for 50 remote participants)