

TAIDEN[®]

HyCon System



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HyCon System

TAIDEN HyCon System perfectly creates a seamless, collaborative and immersive conference experience for the remote meeting participants by solving the frequent challenges in hybrid scenarios, such as difficulties with seamless engagement of on-site and remote attendees, poor audio quality, complexity in deployment and insufficient compatibility. The system allows for centralized meeting management by the moderator, synchronized voting and interpretation for on-site and remote attendees, and real-time generation of complete meeting report.



International conferences

Meet the needs of simultaneous interpretation, remote collaboration, speaking order arrangement, switching of speaking modes, etc



Governmental institutions

Meet the needs of privatization deployment and ensure the security of meeting files and meeting audio and video



Business meetings

Meetings can be held at multiple venues such as the headquarters and branches at the same time, and attendees who are travelling can join the meeting remotely at any time, improving the efficiency of conferences



System Highlights



01

A one-stop solution, realizing seamless and active conferencing

- Moderated discussion, voting, simultaneous interpretation for both on-site and remote attendees
- Remote attendees can join meetings from webpage and enjoy an immersive conference experience just like the on-site attendees



02

Superb AV quality, immersive audiovisual experience

- 48 kHz audio sample rate, audio frequency between 80 Hz and 20 kHz ensures high-quality sound experience
- Full HD 1080P video, resolution and bit rate can be freely switched, multiple video encoding processing algorithms to achieve excellent picture quality



03

Multiple conference collaborations, facilitates efficient decision-making

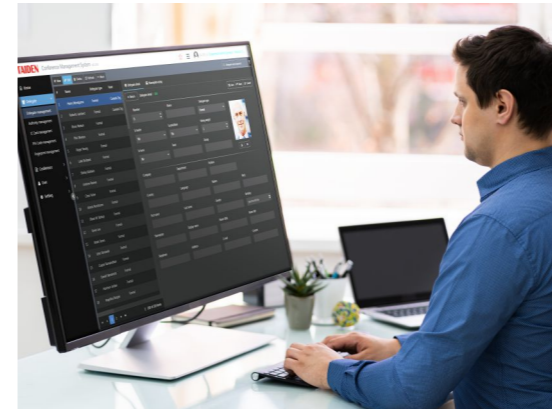
- Remote and on-site attendees can efficiently collaborate by using various functions, such as document sharing, whiteboard, real-time display of proposal list, proposal information, voting process and vote result, etc
- Remote and on-site attendees can simultaneously engage in voting, with data being centrally managed



04

Breaking language barriers with simple deployment

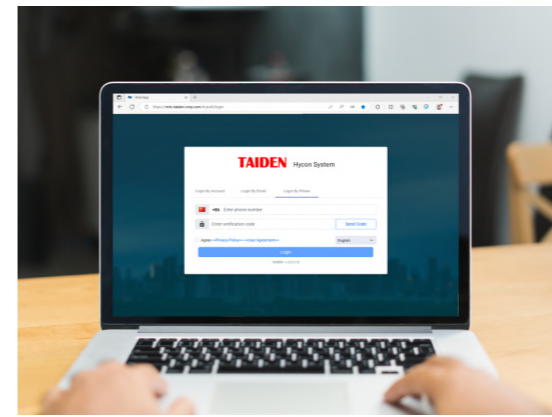
- 64-channel interpretation units facilitate better communication in conferences by meeting the needs of interpreters and ensuring high-quality audio for floor channels and language channels
- Seamless integration between online software and onsite hardware ensures stable audio transmission and clear sound quality for remote and on-site attendees



05

Rich conference controls simplify information management

- Centrally manage information of remote and on-site attendees, realizing personnel authorization, grouping, speaking order arrangement, file distribution, etc
- Audio and video control, including customized video layout, one-button mute, video on/off, switching to different speech modes, setting the maximum number of attendees permitted to speak at the same time, scheduled speech, VIP settings, etc



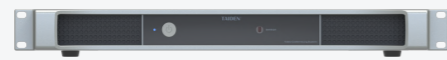
06

Reliable system builds a worry-free conference environment

- Allow for data privatization deployment to ensure data security
- Data encryption technology with multiple authoritative qualification certifications such as SOC2 Type2 and DJCP, to prevent eavesdropping and data tampering
- The list of participants can be preset, and the participants need to identify the authority with the password to effectively prevent "meeting intrusion"

HyCon System

To realize hybrid meetings



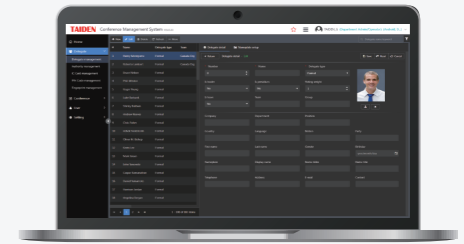
HCS-9000M
HyCon System Main Unit



HCS-90115/25
HyCon System Server



HCS-9365
HyCon System Control Panel



HyCon Platform

To realize on-site events



TAIDEN
Congress System Main Unit



TAIDEN
Conference Unit



TAIDEN
Interpreter Unit

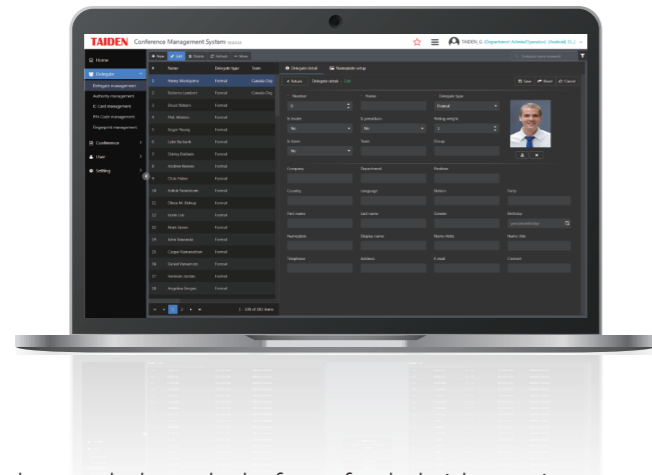


TAIDEN
HD Video Conference Camera



TAIDEN
Loudspeaker

HyCon Platform



HyCon Platform is currently a web-based platform for hybrid meeting attendees, and can also run independently as Windows or Mac application. It supports both public and private cloud deployment, and offers remote attendees a seamless, collaborative, and immersive conferencing experience.



Reliable video quality

- Allows for up to 1080P resolution, and the bit rate can be freely switched, providing ultrahigh sound quality experience
- Integrates a variety of video coding processing algorithms for better picture quality and lower bit rate



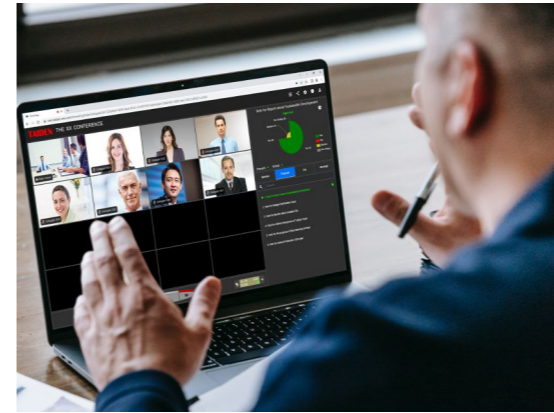
Extreme smooth experience

- Ensures a smooth audio call in case of up to 80% packet loss
- Ensures a smooth video call in situation with up to 70% packet loss



Enhanced visual effects

- Clear and bright images can be obtained in low-light environments with realtime dark light enhancement algorithm



Voting

- Setting voting rights of remote participants
- Real-time display of proposal list, proposal information, voting process and vote result
- Synchronous logging of on-site attendees' meeting activities when they additionally joined online



Simultaneous interpretation

- Real-time language distribution to the remote attendees
- Used with HCS-8600MIO series audio input & output device
- Used with HCS-9000M main unit (set in SI mode)

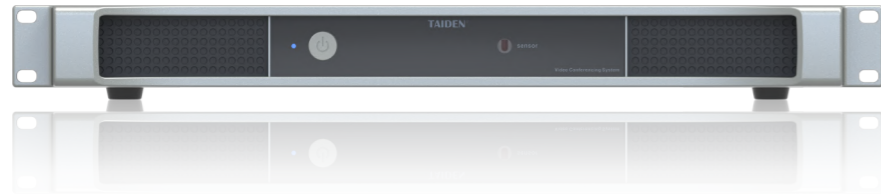


Conference video/screen sharing

- Video management
- Video display
- Screen sharing
- Whiteboard
- Customizable for events of various sizes

HCS-9000M

Series HyCon System Main Unit



Based on a cutting-edge hardware processing platform and algorithm (H.264 High Profile), HCS-9000M provides a real-time video and perfect immersive meetings experience by integrating TAIDEN's on-site and remote conference systems.



New generation hardware brings the ultimate experience

- Adopts cutting-edge hardware processing platform, ensuring high resolution video display and smooth conference collaboration
- Compatible with multiple terminal devices such as conference units in local meeting rooms and remote pcs for a hybrid conference



High-quality AV guarantees immersive real-time communication

- Adopts the H.264 algorithm to save more than 50% of bandwidth, guaranteeing a seamless conference experience
- AAC-LD standards provide ultra-high sound quality experience



Great compatibility ensures eco and asset-friendliness

- 1×RCA stereo audio input/output
- Creates a smooth hybrid experience with the existing TAIDEN conference system by investing only in TAIDEN video conferencing solution

Functional Comparison

Function	Model	HCS-9000MA	HCS-9000MB
HDMI inputs		4	1
PC input		1	1
HDMI video output		3	2
USB		●	●
Dual stream display		●	
AV over IP		●	
Dante interface		●	

Technical Specifications

License	
Video standards	H.264
Audio standards	AAC-LD
Video characteristics	
Video resolution	1080P, 50/60 fps@ ≥ 1740 Kbps 1080P, 25/30 fps@ ≥ 1024 Kbps 720P, 50/60 fps@ ≥ 832 Kbps 720P, 25/30 fps@ ≥ 512 Kbps
Content resolution	Input: HD(1920×1080P), HD(1280×720P) Output: HD(1920×1080P) Maximum frame rate: 60fps
Interface	
Network	100M/1000M Ethernet port
Audio input/Audio output	Dante, USB, RCA translation input & output
Video input/Video output	4×HDMI camera, 1×HDMI PC input, 3×HDMI output
Other interfaces	USB, RS232, 8P-DIN
Physical characteristics	
Power supply	AC 100 V - 240 V 50/60 Hz
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

HCS-9365 HyCon System Control Panel



HCS-9365 HyCon System Control Panel is for managing the hybrid conferencing proceedings, such as selecting video sources, setting the operation mode, connecting conference services, and initiating sharing.



Better user experience

- Equipped with 14" 1920*1080 high-resolution LCD touch screen with 16:9 display ratio



Flexible extension

- USB ports are used to expand storage, upgrade the system, or connect to external mouse and keyboard devices



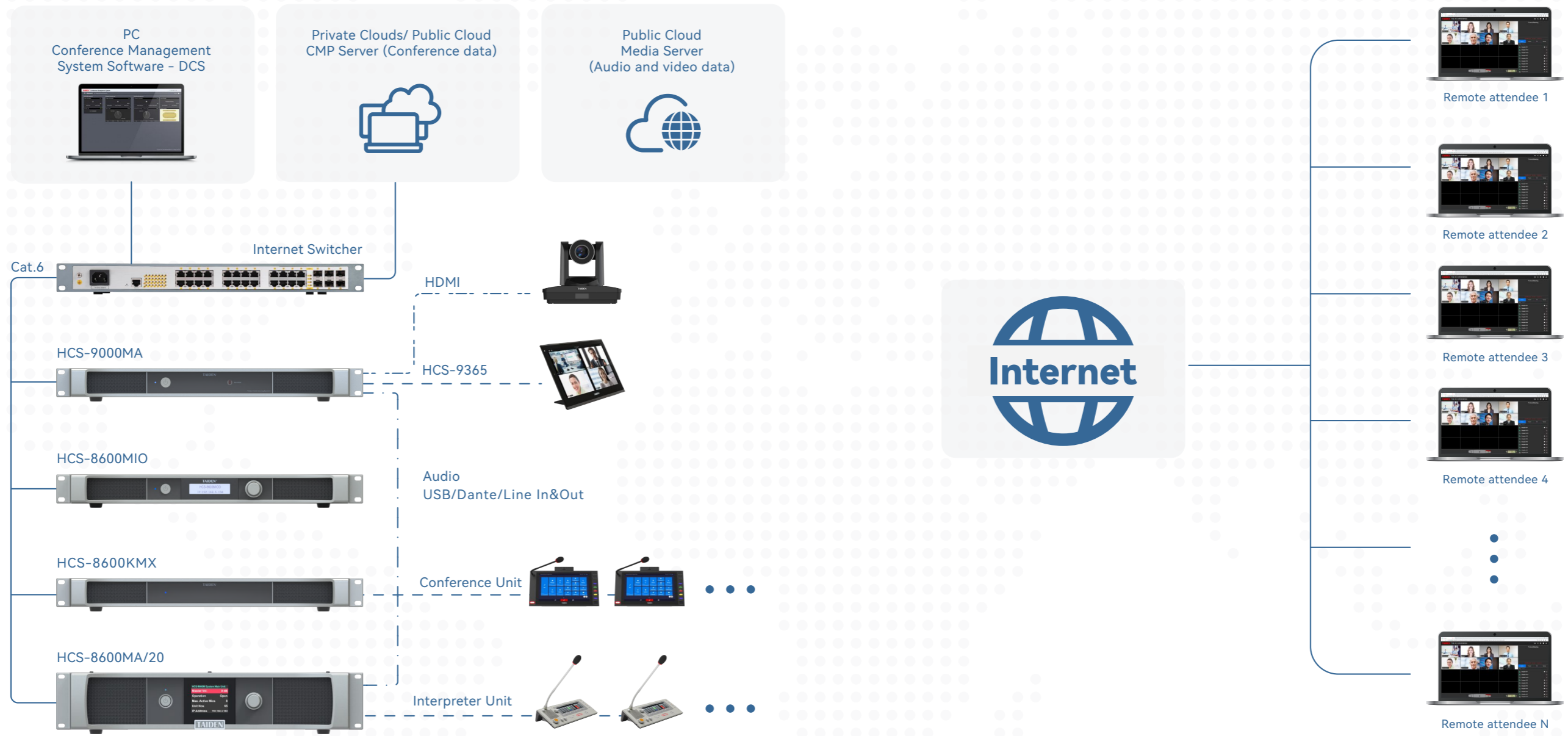
Easy to connect

- Connect to the main unit of HCS-9000M HyCon system through the RJ45 port

Technical Specifications

LCD touch screen	
Size	14", 16 : 9
Resolution	1920×1080
Color	18 bits
Contrast	800:1
Physical characteristics	
Connection	Cat5E cable with metal shielded RJ45 plug
Installation	Tabletop
Maximum power consumption	14W
Dimension (h×w×d)	349×122×208 mm
Weight	1.7 kg

Connection Diagram



To realize on-site events

To realize hybrid meetings