

TAIDEN[®]

HyCon System



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HyCon System

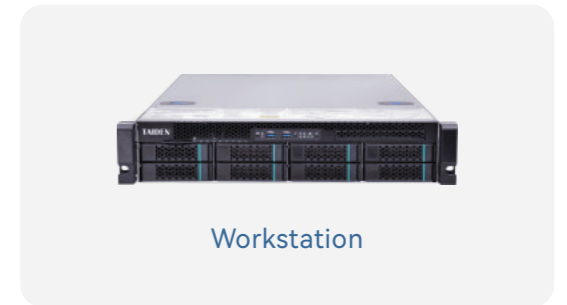
TAIDEN Hybrid Conference System is an excellent solution designed by TAIDEN for the remote meeting. It fully inherits the superb AV quality of TAIDEN conference system and effectively solves the problems of traditional remote meetings, such as seamless engagement, poor audio quality, complexity deployment and insufficient compatibility. It covers the entire conference process, meets users' requirements for efficient meetings in various scenarios, and provides clear, stable, secure, reliable, and convenient meeting experience.



Remote Conference System



HCS-9000M
HyCon System Main Unit



Workstation

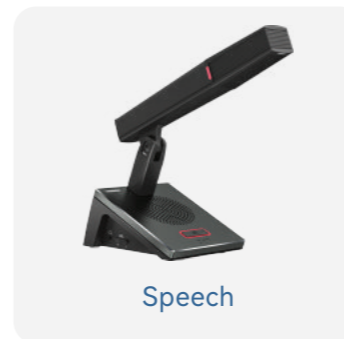


HCS-9365
HyCon System Control Panel

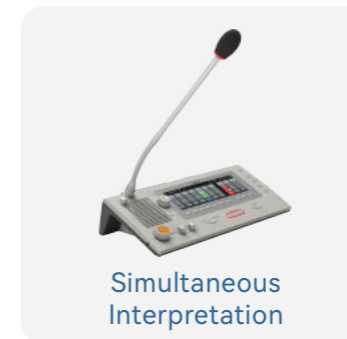


HyCon
System Software

Local Conference System



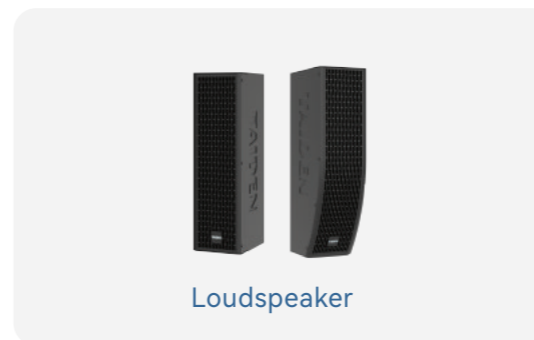
Speech



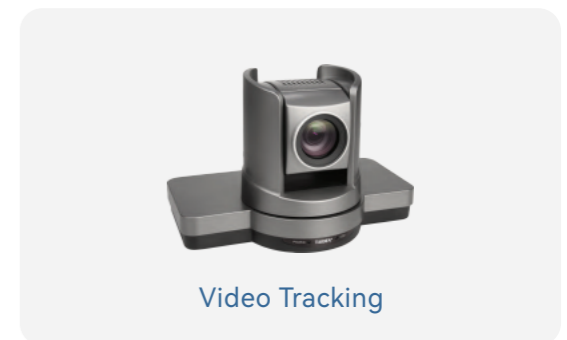
Simultaneous
Interpretation



Voting

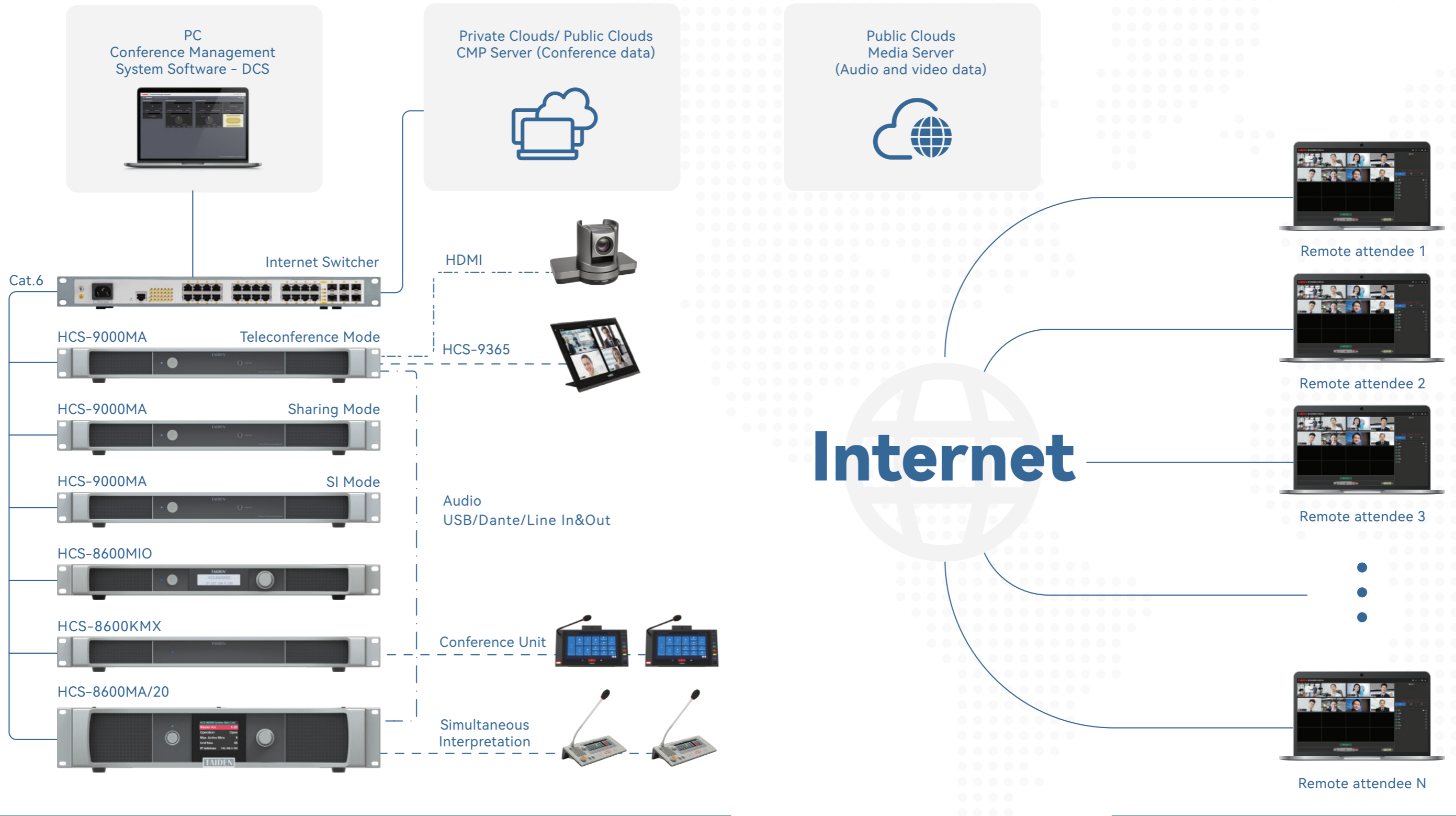


Loudspeaker



Video Tracking

Connection Diagram



Physical conference room

Remote attendees

Advantages of the solution



All-in-one hybrid solution Multi-scenario and multi-terminal communication

Integrates the functions of speech amplification, sign-in voting, simultaneous interpretation, video tracking, video conference, desktop sharing, electronic whiteboard, document sharing, etc. Users can join the conference through the Web. Stable audio and video conferencing services fully ensure smooth communication in multiple scenarios.



Superb AV Quality Excellent meeting experience

48 kHz audio sample rate and audio frequency between 80Hz and 20KHz. It can effectively solve the problems of limited sound pickup and poor sound quality in traditional remote meeting. Full HD 1080P video and adaptive streaming. Enjoy convenient functions such as shared screen and windows, and realize efficient remote meeting and collaboration experience.



Great conference process management Improve meeting efficiency

The conference management covers the whole process. The organizer can easily initiate the sign-in voting, synchronously display the conference proposal, centrally manage the participants information, realize personnel authorization, grouping, speech order, document distribution, real-time data statistics and generate real-time reports after the conference, greatly improving the efficiency of the conference.

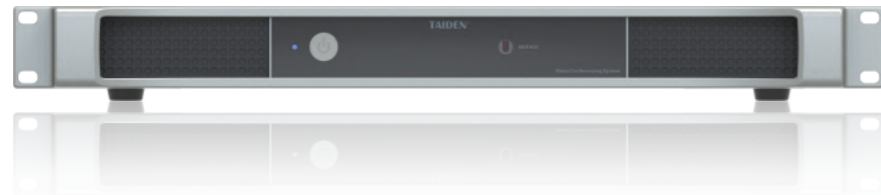


Quick upgrade effective protect existing systems

TAIDEN HyCon system can be built by increase a small amount of equipment in the original TAIDEN conference system, which can reduce the construction cost, effectively protect the original investment, and bring a new conference experience.

HCS-9000M

Series HyCon System Main Unit



HCS-9000M Series HyCon System Main Unit adopts cutting-edge hardware processing platform and H.264 algorithm, integrates TAIDEN conference system and remote conference, realizes 1080P60 frame resolution video and content collaboration, saves more than 50% bandwidth, and guarantees smooth HD conference effect.



New generation hardware bring the ultimate experience

- Using a new hardware platform, Supports dual 1080p60 display of video and content collaboration, provide realistic video effects and perfect
- Supports multi-terminal Hybrid meeting, such as local conference rooms and remote PC, mixing video, audio, and data for seamless collaboration



Superb AV Quality, immersive meeting experience

- Audio standards provide ultra-high sound quality experience.
- Adopts the H.264 algorithm to save more than 50% of bandwidth, and guarantees smooth HD conference effect;



Great compatibility with existing systems

- 1×RCA stereo audio input/output, easily create a smooth hybrid experience with the existing 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 characteristic	
Video resolution	1080P, 50/60fps@≥1740Kbps 1080P, 25/30fps@≥1024Kbps 720P, 50/60fps@≥832Kbps 720P, 25/30fps@≥512Kbps
Video 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 interface	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	3.6kg

HCS-9365 HyCon System Controller



The HCS-9365 HyCon System Controller is compatible with the main unit of HCS-9000M series HyCon system to control the hybrid conference, such as selecting video sources, setting the HCS-9000M working mode, connecting conference services, and initiating sharing.



Better use experience

Equipped with 14" inch 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 external mouse and keyboard devices

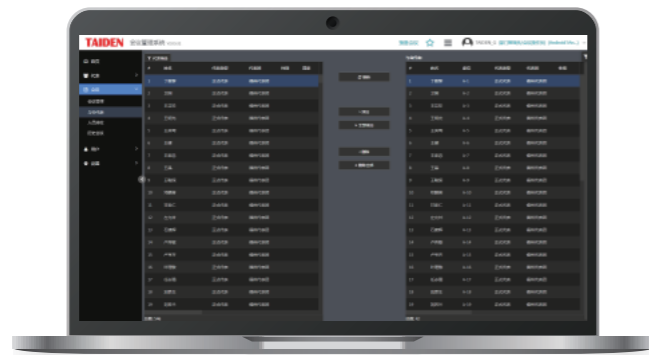


Easy to connect

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

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
Weight	1.7kg

HCS-9000 Series HyCon System Software



HyCon System Software is an online conference software running on Windows system platform, supporting public clouds and private clouds deployment, adopting modular design, participants can access through the Internet, easy installation and configuration, remote participants enjoy the same conference rights and interests as on-site representatives, support signing in, voting, listening to the speaker's original voice and interpreter's voice. It is an ideal choice for remote conference solutions.



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



Enhanced visual effects

Real-time dark light enhancement algorithm is supported to provide clear, bright images even in dark environments



Voting

- Voting authority setting for 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



Simultaneous interpretation

- Simultaneous interpretation authority setting for remote participants
- The SI audio of the main venue is transmitted online for the online participants to listen to
- It should be used with HCS-8600MIO series audio input & output device
- The HCS-9000M must work in simultaneous interpretation mode



Conference video/screen sharing

- It is used for conference video management
- Display video on video conferencing client
- Supports screen/window/page sharing
- Supports whiteboard
- Multiple system capacity schemes are available