



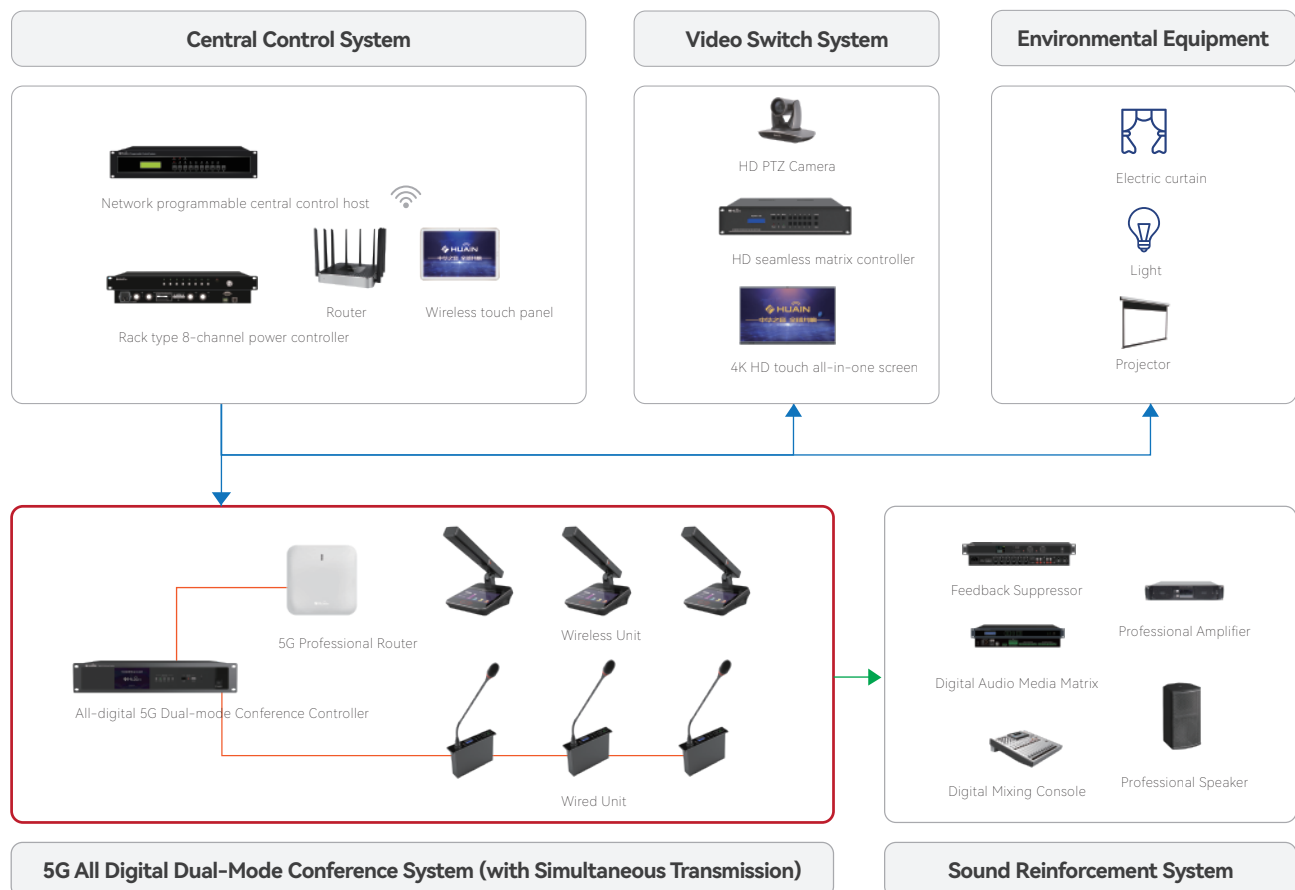
All-Digital Conference System

Opening a new chapter of digital conference, efficient communication as a shadow to go along

Wireless Conference System

Intelligent all-digital 5G conference system (100% domestic) integrates wired and wireless (5G) communication function, breaks the single transmission mode, the conference system research and development integrates FPGA digital audio processing technology and many intelligent function applications. In order to provide multi-faceted intelligent function experience and in the intelligent interaction significantly out of the superb scalability, the conference function according to customer demand can be flexible response, is a new conference system design concept, intelligent new conference standard contains: person name guide position, simultaneous interpretation, central control function, audio partition, personnel control, discussion management, multimedia management, and so on.

System Topology



HY-8600M5

Intelligent Digital Wireless Conference Controller



Features

- High-performance FPGA core processing chip with national independent intellectual property rights
- Can be customized to upload the layout of the venue, forming an intuitive control interface, to facilitate the centralized control of participants and their personnel to the seats
- Support software centralized control function, can be a key to close all the microphones in the system
- Control of environmental equipment in the conference room, such as lighting, power, screen and other equipment switches, one-key call for the conference mode
- Customizable conference service function to receive technicians, secretaries, tea, paper, pens, waiters, coffee, towels, mineral water and other conference request functions
- Support audio DSP processing, audio matrix, whistling suppression, noise control, automatic gain, feedback elimination, echo cancellation, 10-band parametric equalization and 31-band graphic equalization, volume, delay and other adjustments
- With voting/voting/criticism function, the results can be synchronized in the conference unit touch screen and conference room screen display

Parameter Details

Display	5.0" TFT HD touch screen
Conference Modes	7 Modes (FIFO, application for speech, voice-activated start, press and hold speech, free discussion, LIFO, quantity limitation)
Language	5 (Chinese, English, Russian, French, Spanish)
Wired Mic Interface	8*RJ45
Number of Speakers	1~32
Simultaneous Interpretation	64 channels
Sign-in/Voting/Commenting	Yes
Alarm Input	Yes
Web Control	Yes
Camera Tracking	Yes
Wired /Wireless Sharing	Yes
System Capacity	Wired: 76,800 units, Wireless: 4,096 units

All Digital 5G Wireless Conference Unit

HY-8620W / HY-8605W Series

- ① High-performance FPGA, dual MCU processor, high-capacity FLASH and DDR memory, all-digital signal transmission and processing.
- ② High sensitivity design, built-in automatic gain AGC, digital 10-band equalization EQ, environmental noise cancellation AEC function.
- ③ 5G all-digital communication technology, support for WAP / WAP2 wireless security technology, audio delay less than 5.5mS.
- ④ Name guide function, the display can show the current speaker's personnel information, to realize the value of conference interaction and collaboration.
- ⑤ Centralized control function, the microphone can control the environment equipment in the conference room, such as lighting, power, screen equipment switches.
- ⑥ Simultaneous interpretation function, can transmit and process 64 different languages to receive the channel.



HY-8620W Series

HY-8620W Series	
Frequency	5G WIFI
Display	4.5" LCD Display
Mic Type	Cardioid Directional Electret
Frequency Response	30Hz~20KHz
SNR	>92dB
Dynamic Range	98dB
Mic Sensitivity	-35dB±2dB
Li-ion Battery Capacity	7000mA
Equivalent Noise	20dBA (SPL)
Max SPL	136dB (THD<3%)
Size (W*D*H)	120×155×45mm
Weight	0.66kg

HY-8605W Series	
Frequency	5G WIFI
Display	4.5" LCD Display
Mic Type	Cardioid Directional Electret
Frequency Response	30Hz~20KHz
SNR	>90dB
Dynamic Range	96dB
Mic Sensitivity	-37dB±2dB
Li-ion Battery Capacity	7800mA
Equivalent Noise	20dBA (SPL)
Max SPL	136dB (THD<3%)
Size (W*D*H)	120×155×45mm
Weight	0.56kg



HY-8605W Series

All Digital Dual-diaphragm Conference Unit (HY-8620 series)

Design

- ① With 4.5-inch capacitive touch screen
- ② Zinc-aluminum alloy microphone pole, one-piece pickup steel mesh design
- ③ COF full-lamination process, dustproof and waterproof

Features

- Dual-diaphragm pickup
- Name guide
- Conference monitoring
- Audio independent adjustment
- Select wired or wireless
- Centralized control
- 5 languages
- 64-channel simultaneous interpretation
- 10-band EQ adjustment
- Removable battery



HY-8620C/D Series
(Wired)



HY-8620C/DW Series
(5G Wireless)

All Digital Conference Unit (HY-8605 Series)

Design

- ① With 4.5-inch condenser touch screen
- ② Electret cardioid directional microphone with indicator ring
- ③ COF full lamination process, dust and water resistant

Features

- With 4.5-inch capacitive touchscreen display
- Name guide
- Conference monitoring
- Audio independent adjustment
- Select wired or wireless
- Centralized control
- 5 languages
- 10-band EQ adjustment
- removable battery
- 64-channel simultaneous interpretation



HY-8605C/D Series
(Wired)



HY-8605C/DW Series
(5G Wireless)

All Digital Button Type Conference Unit (HY-8613 series)

Design

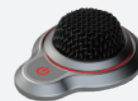
- ① Embedded design
- ② Zinc alloy die-casting molding
- ③ Microphone face cover ring LED indicator and touch switch speaking icon indicator meeting service

Features

- Erosion and discoloration resistant
- Light touch inductive switch
- High sensitivity pickup design
- 7 conference modes
- Cardioid directivity
- Ultra anti-interference
- Ultra-long pickup
- Static isolation technology



HY-8613C Series



HY-8613D Series

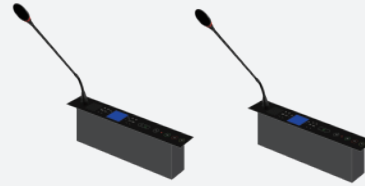
All Digital Embedded Conference Unit (HY-8615 Series)

Design

- ① Embedded hidden design, unique cavity and sound pickup
- ② 6-level touch glass panel
- ③ HD LCD display, customizable size

Features

- 16-channel simultaneous interpretation
- 10-band EQ adjustment
- High-fidelity lossless audio transmission technology
- 5 conference modes
- Hot-swap support
- Ultra-strong anti-jamming ability
- Speaking timer function
- Video tracking



HY-8615C Series

HY-8615D Series

Wireless Transceiver Extender

Features

- ① Full coverage of the 5.8G encrypted wireless conference network;
- ② 1 WAN port, 4 LAN ports supporting POE;
- ③ AP automatically assigns IP addresses, plug-and-play;
- ④ AP management functions, intelligent flow control, and remote management capabilities;
- ⑤ Maximum power consumption: 50W.



HY-AP86K

12-Port Rack-Mount Charging Cabinet

Features

- ① Utilizes magnetic absorption for secure fixation.
- ② Provides convenient charging for 12 lithium battery units.
- ③ Charging time is approximately 6 hours.
- ④ Features independent power and charging status indicators.
- ⑤ Designed for rack-mounted installation.



HY-CH12