



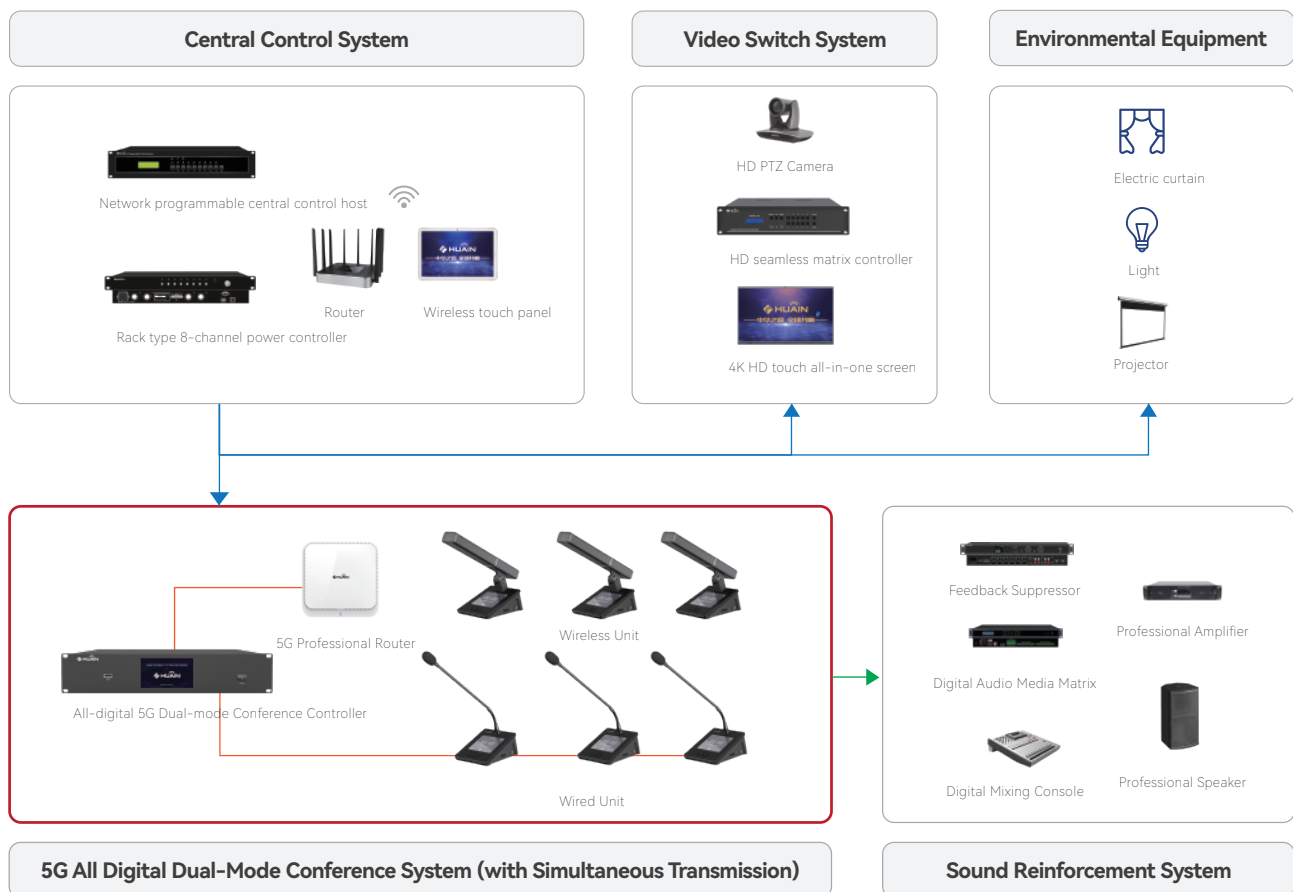
All-Digital Conference System

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-8500M

Intelligent Dual-Mode Communication All-Digital Conference Controller



Features

- Features a 5.0" IPS HD touchscreen with support for four languages: Chinese, English, Russian, and French, plus two theme styles for customization.
 - Utilizes 5.8G full-digital direct-sequence spread spectrum (DSSS) modulation technology for exceptional interference resistance.
- Supports up to 76,800 conference unit IDs, allowing flexible combination of wired conference units, interpretation units, or 5.8G wireless conference units
- Features six speaking modes: First-in-first-out, Turn-taking (with quantity limit), Request-to-speak, Voice-activated, Time-limited, and Free discussion
- Enables viewing of battery level, WiFi signal status, and other information of online wireless conference units via PC software

Parameter Comparison Table



HY-8500M



HY-8500M2

Display Screen	5.0" IPS HD Touchscreen	5.0" IPS HD Touchscreen
Voting Function	Equipped	Equipped
Attendance Tracking	Equipped	Equipped
Meeting Mode	Six Operating Modes	Six Operating Modes
Number of Speakers	32 Wired Units and 10 Wireless Units	32 Wired Units and 10 Wireless Units
Microphone Interface	5*RJ45 Port	5*RJ45 Port
Video Tracking	Equipped	Equipped
Wired/Wireless Compatibility	Equipped	Equipped
System Capacity	76800	76800
Role Separation	-	Supports 16-Channel Role-Separated Output Mode
Audio Processor	-	Built-in High-Performance DSP Processor with 16-Channel Audio Matrix

Intelligent Dual-Mode Dual-Diaphragm Conference Unit (HY-8520T-8505T)

Design

- ① Aluminum alloy panel with lasting luster.
- ② 4.0" IPS full-color touchscreen.
- ③ Pure copper microphone connector & stud (gooseneck) / Aluminum alloy pole (square).

Features

- Dual-mode (wired/wireless) switching
- 128-bit AES encryption, WPA/WPA2 wireless security protocols
- Dual-band Wi-Fi module
- 4 languages interface (CN/EN/RU/FR)
- 6 conference modes
- 69+1 simultaneous interpretation audio channels
- High sensitivity pickup design
- 7000mAh rechargeable battery (10-hour operation)



HY-8505TC Series HY-8505TD Series

All-Digital Conference Unit (HY-8520~8505 Series)

Design

- ① Aluminum alloy microphone pole with unique chamber and one-piece steel mesh grille
- ② 4.0" IPS full-color touchscreen display
- ③ Premium aluminum alloy panel with lasting surface luster

Features

- 6 Conference modes
- High-sensitivity pickup with built-in AGC (Automatic Gain Control)
- 69+1 simultaneous interpretation audio channels
- 4 languages interface (CN/EN/RU/FR)
- High sensitivity pickup design
- High-performance FPGA & dual-MCU processor architecture
- Analog-digital dual backup system
- 5 polar pattern options (Super-cardioid/Cardioid/Hyper-cardioid/Figure-8/Omnidirectional)



HY-8520C/D Series HY-8505C/D Series

5.8G Wireless Dual-Diaphragm Conference Unit (HY-8520 Series)

Design

- ① Aluminum alloy microphone pole with unique acoustic chamber and one-piece steel mesh grille
- ② 4.0" IPS full-color touchscreen
- ③ Premium aluminum alloy panel with lasting luster

Features

- High-performance dual-band Wi-Fi module
- 128-bit AES encryption, WPA/WPA2 security protocols
- High sensitivity pickup design
- 4 languages interface (CN/EN/RU/FR)
- 6 Conference modes
- 7000mAh rechargeable battery (10-hour operation)
- Intelligent fault detection system
- 5 polar pattern options (Super-cardioid/Cardioid/Hyper-cardioid/Figure-8/Omnidirectional)



HY-8520CW Series HY-8520DW Series

5.8G Wireless Transceiver

Design

- ① Provides 5.8G encrypted Wi-Fi coverage for wireless conference systems
- ② Network ports: 1×WAN+POE port , 1×WAN port
- ③ Auto IP assignment & built-in channel analyzer for plug-and-play AP operation
- ④ AP management with intelligent traffic control & remote administration
- ⑤ 64MB Flash, 128MB RAM



HY-AP85

All-Digital Interpreter Console (with 70-Channel Simultaneous Interpretation)

Design

- ① Microphone pole connectors and studs are made of pure copper
- ② Features a 5.0" IPS full-color touchscreen
- ③ Constructed with premium aluminum alloy panels for lasting luster



HY-8505Y/70

20-Port Charging Station

Design

- ① Simultaneously charges up to 20 wireless conference units;
- ② Digital display shows device output voltage and clearly indicates charging status for each USB port;
- ③ Automatically detects charging status and shuts off power when fully charged;
- ④ Supports PD fast charging protocol with intelligent recognition, current distribution, and fast charging, automatically adjusting output current;
- ⑤ Features multiple intelligent safety protections including automatic overvoltage protection, overcurrent protection, and overcharge protection.



HY-U20TC