YHU 1000

Wire & Wireless Integrated Digital Conference System - Server

Product Features

- ✧ Wire & wireless sub-systems are integrated, the host computer can control the wired and wireless sub-systems in one language;
- ✧ The wireless sub-system features audio clock synchronization technology with a delay time of less than 4ms;
- ✧ Wired sub-system adopts non-compressed audio transmission to ensure audio quality. Wired sub-system uses customized shielded 6-core cable;
- ✧ The main unit can be wired to the conference system wireless grid (AP) to extend the range of wireless access;
- ✧ MIX channel volume control. The wireless sub-system includes 4 independent channel outputs and 1 MIX output. Wired sub-system: One MIX audio output;
- ✧ Supports 4~8 sub-systems for simultaneous speech, both sub-systems are configured in unison;

- Based on iMeetingPlat™ technology platform for a new user experience. Conference status and configuration can be seen at a glance;
- Meeting mode: FIFO/Qty limit;
- Date, time, day of week settings/volume and brightness settings/language settings/unit numbering/wireless environmental scanning/Visca, Peleco-D, Peleco-P camera protocols;
- Supports three colors of Chairperson, VIP, and Attendance, and software definition makes member attribute management easy and convenient;
- The unique horizontal piano key language button with mute sound design makes the system a great experience;

Wired Subsystem

- High-speed 6-core digital cable is used to transmit data and power, with a transmission distance of up to 150 meters;
- Sampling frequency is 48KHz, with a frequency response of 20Hz-20kHz, achieving CD-level sound quality;
- Wired sub-system with 4 channels of input, each channel can connect up to 32 units, supporting up to 128 units;
- Supports ring type manual. Hot-swap and short-circuit protection are provided;
- The system terminal adopts metal structure shielding design and circuitry anti-interference design, which is less susceptible to signal interference;

Wireless Subsystem

- Real-time sweeping and auto cut technology. The unit uses the optimal frequency for each language;
- Supports a wireless grid, so the range is no longer limited by the location of the host computer;
- The wireless grid supports up to 256 wireless language units;
- Supports capacitive microphone hand-held language units. Hand-held terminals sleep automatically and wake up with 3D motion;
- Wireless terminals utilize patented "Hybrid Power" technology, which allows switching between Li-ion and #5 batteries.

Specification

Wired Subsystem

Items	Parameters
Mode	Voice: Analog Communication; Control: Digital Communication
S/N	>96dB
Dynamic Range	96dB
T.H.D	<0.1% (@1KHz)
Frequency Response	50~16KHz
Frequency Response Attenuation	<1dB (20Hz~20KHz)
Latency	<1ms
Auto Gain Control	2 mics on, 2dB increase; 3-5 1dB increase
Master Gain Control	15 x 1dB and off (mute)
Transmission Medium	High-speed 6-core digital cable
Harmonic Distortion	<0.5%
Connector	6 Cores DIN*5
Communication outlets	RJ45*1/UPDATE*1/RS485*1/RS232*1
Input Channel	4x6PDIN+1xXLR
Output channel	3-channel Phoenix terminal + 1-channel XLR
Output Impedance	470Ω

Wireless Subsystem

Items	Parameters
Mode	Voice: Digital Communication; Control: Digital Communication
Modulation	Voice: PI/4 DQPSK; Control: GFSK
Carrier freq. band	668MHz~698MHz
Bandwidth	30MHz
S/N	>96dB
T.H.D	<0.2% (@1KHz)
Frequency Response	30~18KHz
Frequency Response Attenuation	<2dB (20Hz~20KHz)
Latency	<4ms
Effective Transmission Distance	Based on different terminals and different sound quality, it can reach 50~80m distance
Distortion	<0.5%
Antenna Mechanism	Antenna Diversity
Antenna	600MHz Antenna*2+2.4GHz Antenna*1

Electrical & Physical

Items	Parameters
Screen	4.3inch TFTColor capacitive touch screen
Resolution	480x320

Frequency Response	20Hz~20KHz
Power Supply	AC100-240V,50-60Hz
Power Consumption	Standalone 10W, Maximum 350W with Load
Power connector	220V 3-hole AC connector
Weight	4000g
Size	2U, 483mmx556mmx89mm
Material	Metal Case
Temperature	Working: 0 to 45℃; Storage and transportation:-20 ~ 55℃