HUAIN

中华之音　金球共响

All-Digital Conference System

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

HUAIN

Huain (Zhuhai) Digital Technology Co., Ltd.
Address: Building 10, Chuangang Center, No. 199 Weikang Road,
Xiangzhou District, Zhuhai, Guangdong Province, China.
Manufacturing Center: No. 1, 3rd Floor, Building A, Jinli Technology Park, No. 1,
Huanzhou East Road, Tanzhou Town, Zhongshan, Guangdong Province, China.
Tel: 400-1388-198 0756-8632108 (20 lines)
Fax: 0756-8632109
E-mail: huain@huain-av.com

Official Website

WeChat
Official Account

www.huain-av.com

CONTENTS

QUALIFICATIONS AND HONORS

We have mastered the first domestic dual-diaphragm conference system sound pickup technology, anti-secrecy ultrasonic diffraction technology, DSP/DDOV all-digital transmission technology and powerful integration control and other key technologies. Become the industry's leading high-end audio and video conferencing system overall solution provider and all-digital conference system equipment R&D manufacturer.

Part of the authoritative qualification and honor certificate

COMPANY PROFILE

2015
Founded in

30+
Professional team

10000+
Service customers

HUAIN is a national high-tech enterprise specializing in the design, research and development, production and sales of audio and video products.

The company is committed to seeking breakthroughs in all-digital conference system, anti-theft conference system, paperless conference system, visual distributed management system, remote video conference system, conference recording and broadcasting system, sound amplification system, programmable central control system and peripheral equipment technology and application, in order to promote the technical revolution of traditional industries.

HUAIN insists on "professional concentration, technological innovation" as the driving force. Our company has a group of advanced researchers in the industry, specializing in research, development and production. We have set up acoustic laboratory, audio testing laboratory, radio frequency laboratory and other professional laboratories, and fully launched the research and development, production and sales of high-end all-digital conference system, paperless conference system, visual management system, programmable central control system, signal switching system, conference recording and broadcasting system, conference sound system and peripheral processing equipment. In strict accordance with international standards, we implement standardized management and control in the process of design and development, procurement, production, quality management and service. At present, the company has more than 1000 product models such as full digital conference system, array conference system, wireless conference system, simultaneous interpretation system, large voting system, sound amplification system, audio processing system, education system, which can meet -the full series of conference system solutions from small meeting discussions to large international conferences. We are the world's leading manufacturer of modern conference system equipment.

Devise

R&D

Produces

Sales

COMPANY CULTURE

Market-Oriented and Customer-Centric

Corporate Mission

Achieve the brand with professionalism, with international vision and prospects

Corporate Vision

Chinese Voice, HUAIN Makes

Corporate Values

Innovation Leadership, Excellent Quality, Win-Win Cooperation
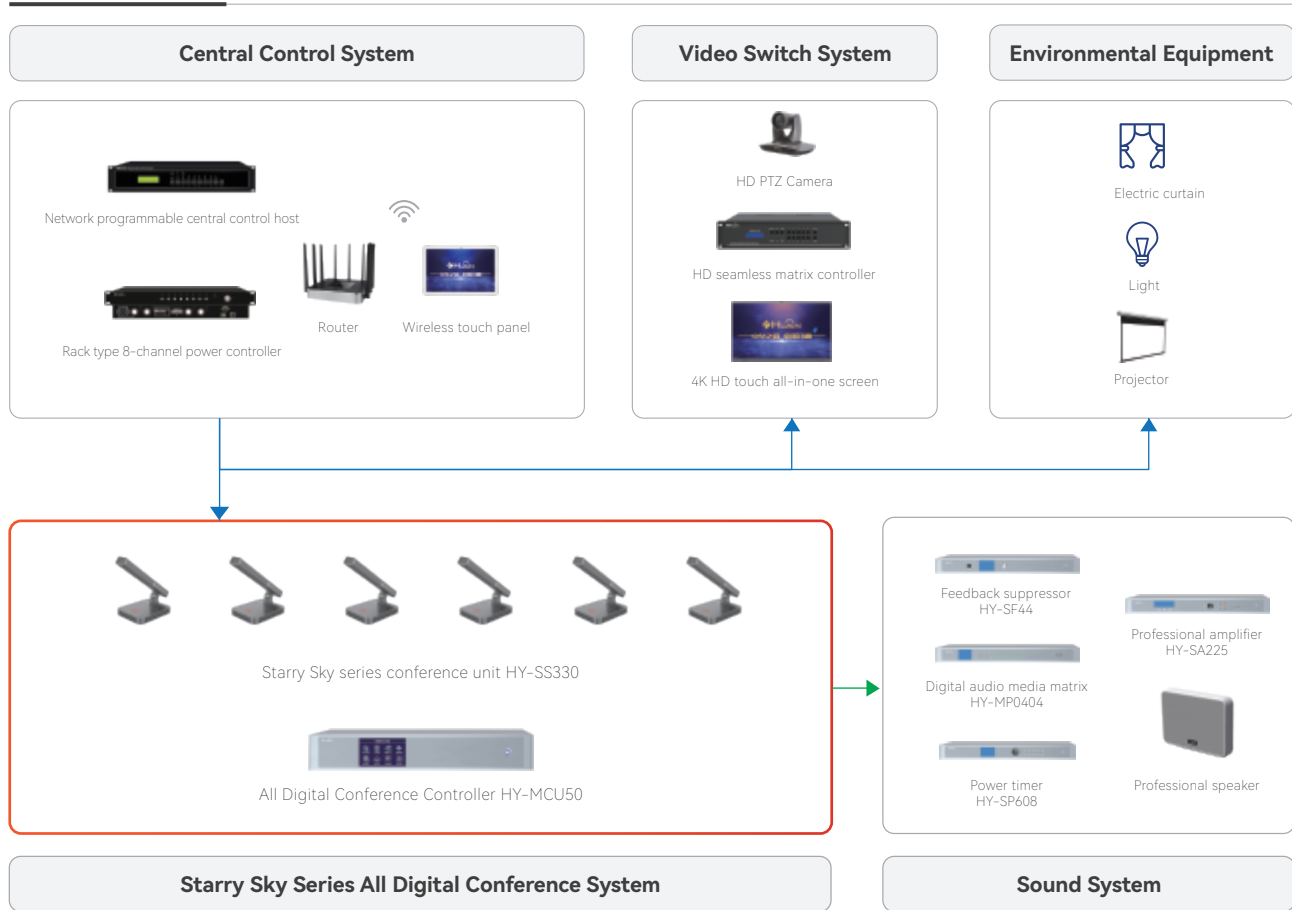
Corporate of experience

Convergence of forces for common development

Starry Sky Series

This system is designed for speech discussion, camera tracking, ultrasonic diffraction, clock display, conference services and other multi-functions in one of the all-digital conference system.The maximum capacity of a single conference controller is 240 digital conference units, and 76800 conference units can be connected through it. The system pursues simple lines in appearance design, and improves your using experience from touch, vision, hearing and other multi-dimensions, which can avoid the audio recording of non-normal recording equipment and communication audio leakage. The system has a variety of conference modes, including free discussion, first-in-first-out(FIFO), number limit, voice control, chairman's permission (speech request) , last-in-first-out(LIFO), time-limited speech and queuing speech mode.

System Topology

Central Control System	Video Switch System	Environmental Equipment
Network programmable central control host	HD PTZ Camera	Electric curtain
Router Wireless touch panel	HD seamless matrix controller	Light
Rack type 8-channel power controller	4K HD touch all-in-one screen	Projector

Starry Sky series conference unit HY-SS330

All Digital Conference Controller HY-MCU50

Starry Sky Series All Digital Conference System

Feedback suppressor HY-SF44

Digital audio media matrix HY-MP0404

Power timer HY-SP608

Professional amplifier HY-SA225

Professional speaker

Sound System

HY-MCU50
All Digital Conference Controller

Features	· With 4.5" TFT fully fits the touch screen, it supports Chinese simplified, traditional and English menu, or customize the menu language. · With 8 channels of unit output interface, it supports the maximum connection of 240 units. The system capacity is 76,800 units. · 8 conference modes: First in First out, Last in First out, number limit, chairman's permission, voice control, limited time speech, queuing speech, and free discussion. · With 4x1 HDMI HD matrix (optional for 4x4 or SDI interface), it supports screen freezing function. · The number of speakers can range from 1 to 20; the Chairman and VIP are not limited in number.

Parameter Comparison Table

	HY-MCU30	HY-MCU50
Display	4.5" TFT full lamination touch screen	4.5" TFT full lamination touch screen
Language	2 (Chinese, English), support customization	3 (Chinese, English), support customization
Conference Modes	8	8
Mic Connection	6*8-Pin + 2*RJ45	6*8-pin + 2*RJ45
Number of Speakers	1~20	1~20
Video Matrix	–	4×1 channel HDMI HD matrix (optional for 4×4 or SDI interface)
Web Control	–	Support

Anti-Theft Dual Diaphragm Conference Unit (HY-SS330 Series)

Design

① Minimalist style, full aluminum alloy body design
② 18mm high brightness red speaking indicator, zinc-aluminum alloy microphone pole
③ Anti-theft radar independent switch design

Features

· Ultrasonic radar anti-tampering technology
· Built-in ultrasonic mixer
· Intelligent audio detection
· Super anti-jamming capability
· 360° omnidirectional acoustic shielding design
· Waterproof and dustproof function
· High sensitivity pickup
· DSP/DDOV technology

HY-SS330 Series

Winner of the 2025 German Red Dot Award for Best Design

Star All Digital Conference Unit

HY-SS310 / HY-SS300 Series

①Minimalist style, aviation-grade aluminum alloy body design

②18mm high brightness red speaking indicator, zinc aluminum alloy microphone pole

③Built-in 2 Class D speakers, automatic mute after opening the microphone

HY-SS310 Series	
Mic Type	Supercardioid directional electret, 2*14mm gold-plated microphone core
Frequency Response	30Hz~20KHz
SNR	>92dB
Dynamic Range	98dB
Mic Sensitivity	−35dB±2dB
Equivalent Noise	20dBA (SPL)
Max SPL	136dB (THD<3%)
Connector	8-Pin (or RJ45 port)
Dimensions (W×D×H)	110×140×20mm
Weight	0.84kg

HY-SS300 Series	
Mic Type	Cardioid electret, 9.7mm gold-plated core
Frequency Response	30Hz~20KHz
SNR	>90dB
Dynamic Range	96dB
Mic Sensitivity	−37dB±2dB
Equivalent Noise	20dBA (SPL)
Max SPL	125dB (THD<3%)
Connector	8-Pin (or RJ45 port)
Dimensions (W×D×H)	110×140×20mm
Weight	0.68kg

HY-SS310 Series

HY-SS300 Series

Star All Digital Conference Unit

HY-SS410 / HY-SS400 Series

① Zinc-aluminum alloy microphone pole, unique cavity and One-piece molded all-enveloping pickup steel mesh design

② desktop streamlined design, zinc alloy high-precision die-casting one-piece molded body, sturdy and durable

③ 3.5" HD round LCD touch screen, 18mm round speech indicator light

④ Star series dial design, support for personalized customization

HY-SS410 Series	
Mic Type	Cardioid electret, 2*14mm gold-plated core
Frequency Response	30Hz~20KHz
SNR	>92dB
Dynamic Range	98dB
Mic Sensitivity	–35dB±2dB
Equivalent Noise	20dBA (SPL)
Max SPL	136dB (THD<3%)
Screen Size	3.5" Round Screen
Dimensions (WxDxH)	102×133×37mm
Microphone Weight	0.82kg

HY-SS400 Series	
Mic Type	Cardioid electret, 9.7mm gold-plated core
Frequency Response	30Hz~20KHz
SNR	>90dB
Dynamic Range	96dB
Mic Sensitivity	–37dB±2dB
Equivalent Noise	20dBA (SPL)
Max SPL	125dB (THD<3%)
Screen Size	3.5" Round Screen
Dimensions (WxDxH)	102×133×37mm
Mic Weight	0.66kg

HY-SS410 Series

HY-SS400 Series

Dual-diaphragm conference unit (HY-SS410 series)

Design

① Desktop streamlined design, zinc alloy high-precision die-casting one-piece molded body
② 3.5" high-definition round LCD touch screen, 18mm high brightness red speech indicator, zinc-aluminum alloy microphone lever
③ Star series dial design, support for personalized customization

Features

· DSP/DDOV technology
· 8 conference modes
· Multi-language selection display
· Super anti-interference ability

· Waterproof and dustproof function
· Swipe to switch dial
· High sensitivity sound pickup
· 3 types of identity Permissions

HY-SS410 Series

Anti-Theft Conference Unit (HY-SS320 Series)

Design

① Minimalist style, full aluminum alloy body design
② 18mm high brightness red speaking indicator, zinc-aluminum alloy microphone pole
③ Anti-Security Radar Independent Switch Design

Features

· Ultrasonic radar anti-tampering technology
· Built-in ultrasonic mixer
· Intelligent audio detection
· Super anti-jamming capability

· 360° omnidirectional acoustic shielding design
· Waterproof and dustproof function
· High sensitivity sound pickup
· DSP/DDOV technology

HY-SS320 Series

Digital Conference Unit (HY-SS400 series)

Design

① Desktop streamlined design, zinc alloy high-precision die-casting one-piece molded body
② 3.5" high-definition round LCD touch screen, 18mm high brightness red speech indicator, zinc-aluminum alloy microphone lever
③ Star series dial design, support for personalized customization

Features

· DSP/DDOV technology
· 8 conference modes
· Multi-language selection display
· Super anti-interference ability

· Waterproof and dustproof function
· Swipe to switch dials
· High sensitivity sound pickup
· 3 types of identity Permissions

HY-SS400 Series

## Digital Audio Media Matrix (HY-MP0404/0808/1616)

1. With 5 third-party control protocols, support Websocket, UDP, TCP/IP, RS-232, RS-485 control protocols
2. Support 100 groups of scene presets
3. input and output channel parametric equalization with 5/8/12 segments can be set, the graphic equalization with 10/15/31 segments can be set.
4. with Chinese, traditional, English three language switching
5. with 2.0 "IPS true color display and signal indicator, can display LOGO, network information, level, channel status, device name and so on.
6. support for dual hot backup function
7. Expandable optical network dual backup
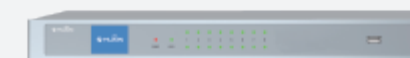
HY-MP0404/0808/1616

Digital Amplifier (HY-SA225/SA240)

1. 160×32 high brightness display screen
2. digital power amplifier module, dual-channel integrated design
3. Left and right channels have electronic crossover, 5-band parametric equalizer, compressor, electronic volume, phase selection and other functions.
4. input single channel, stereo, bridge mode selection
5. panel equipped with USB digital interface
6. with balanced input interface
7. 1U design, lightweight body, easy to carry and installation
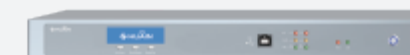
HY-SA225/SA240

Adjustable Directivity Digital Analog Backup Speaker

	HY-S443B	HY-S803D	HY-S1603D
System	Ultra-thin Audio	Digital/Analog Backup Active Steerable Speaker	Digital/Analog Backup Active Steerable Speaker
Speaker Unit	4×4" 2-way full-range slimline speaker	8×3" ferrite/0.75"(19mm) voice coil	16x3" ferrite/0.75"(19mm) voice coil
Sensitivity Level (±2dB)	95dB (1W/1M)	92dB/w/m	94dB/w/m
Speaker Power	150W (RMS)/600W (PEAK)	160W(AES), 640W(PEAK)	320W(AES), 1280W(PEAK)
SPL	116dB	116dB	118dB
Phased Array Beam Steering Mode (-12dB)	–	1 adjustable vertical beam	1 adjustable vertical beam
DSP Processor Module	–	8-channel DSP with balanced inputs	16-channel DSP with balanced inputs
Amplifier Output Power	–	8×30W/8Ω (Total >240W/8Ω)	16×30W/8Ω (Total >240W/8Ω)
Size (WxDxH)	360×280×50mm	116x141x715mm	116x141x1363mm
Installation	Ceiling, wall-mounted, recessed	Wall-mounted	Wall-mounted

Inteligent Digital Conference System

This system is designed for the speech discussion, camera tracking, electronic sign-in, voting, conference services and other multi-functions in one of the digital conference system. The maximum capacity of a single conference host is 240 digital conference units, through the conference expansion host can be connected to 76,800 conference units. The system has a variety of conference modes, including free discussion, first-in-first-out(FIFO), number limit, voice control, chairman's permission (speech request) , last-in-first-out(LIFO), time-limited speech and queuing speech mode.

System Topology

Central Control System

Network programmable central control host

Rack type 8-channel power controller

Router

Wireless touch panel

Video Switch System

Video Switch System

HD seamless matrix controller

4K HD touch all-in-one screen

Environmental Equipment

Electric curtain

Light

Projector

Digital Conference System

Dual Diaphragm Touch Conference Unit HY-6320C/D

Intelligent Touch Conference Controller HY-6500M6

Sound Reinforcement System

Feedback Suppressor

Professional Amplifier

Digital Mixing Console

Digital Mixing Console

Professional Speaker
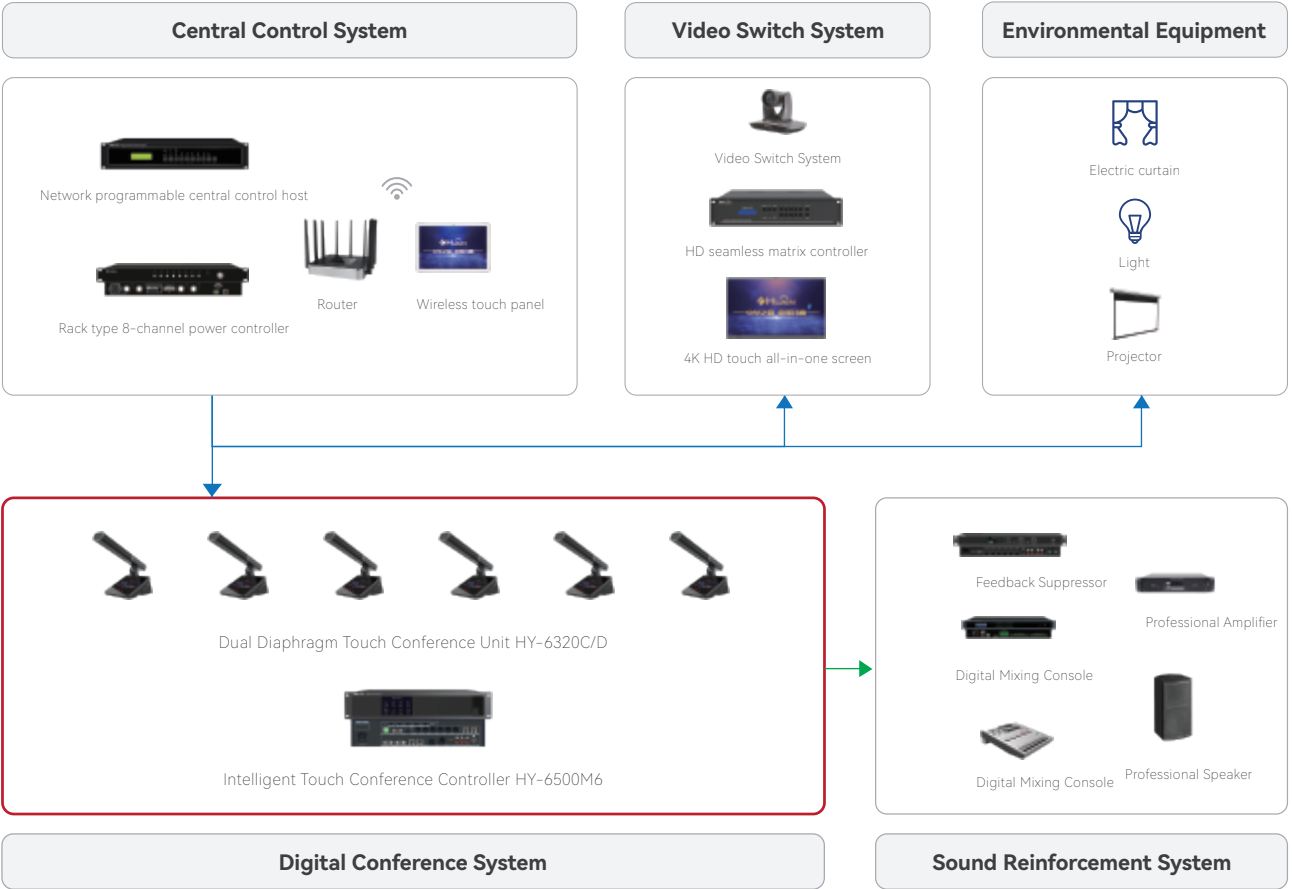
HY-6500M9
All Digital Conference Controller

Features

· With 4.5" TFT fully fits the touch screen, it supports Chinese simplified, traditional and English menu, or customize the menu language.
· With 8 channels of unit output interface, it supports connection of 240 units. The system capacity is 76,800 units.
· 8 conference modes: First in First out, Last in First out, number limit, chairman's permission, voice control, limited time speech, queuing speech and free discussion.
· With speech separation technology, 8 channels of audio can be independent output and support independent adjustment of volume.
· It supports USB sound card function, with a 3.5mm voice monitoring interface, built-in 10W power amplifier
The number of speakers can range from 1 to 20; Chairman and VIP are not limited in number.

Parameter Comparison Table

	HY-6500M3	HY-6500M5	HY-6500M6	HY-6500M8	HY-6500M9
Display	4.5" TFT HD full lamination touch capacitive screen				
Language	3 types (simplified or traditional Chinese, English), customize				
Conference Mode	8 types (FIFO, number limit, voice control, chairman permission,limited time speech,queuing speech LIFO, free discussion)				
Dual Hot Backup Port	1 set of dual-machine backup interface, can also be connected to the backup box				
Mic Interface	3*8-Pin +2*RJ45	6*8-Pin +2*RJ45 (8*RJ45 Optional)			
Number of Speakers	1 ~ 20	1 ~ 20	1 ~ 20	1 ~ 20	1 ~ 20
Video Matrix	–	–	○	○	○
Recording Function	–	–	–	○	○
Web Control	–	–	–	○	○
Built-in Amplifier	–	–	–	–	○
USB Sound Card	–	–	–	–	○

Lifting Horizontal Beam Array Conference Unit

HY-HL200 Series

① 5 pickup head using lateral sound source and angle array technology
② mini embedded lift control system, lifting and lowering smooth, uniform speed
③ high sensitivity pickup design, built-in auto gain AGC function
④ Intelligent audio detection function

Technical Parameters	
Mic type	Array, 5x9.7mm gold-plated microphone core
Display	128*32 High Brightness OLED Display
Frequency Response	30Hz~20KHz
SNR	>90dB
Dynamic Range	96dB
Mic Sensitivity	−37dB±2dB
Connector	8Pin (RJ45 Optional)
Equivalent Noise	20dBA (SPL)
Max SPL	136dB (THD<3%)
Panel Size	165 × 58 × 5mm
Hole Size	149 × 48 × 300mm
Weight	2.8Kg

Array Full Digital Conference Unit

HY-8000 Series

① 17 pickups using lateral sound source and angle array technology
② 150 ° pickup angle, with a wider range of sound pickup
③ High sensitivity pickup design, built-in auto gain AGC function
④ Intelligent audio detection function
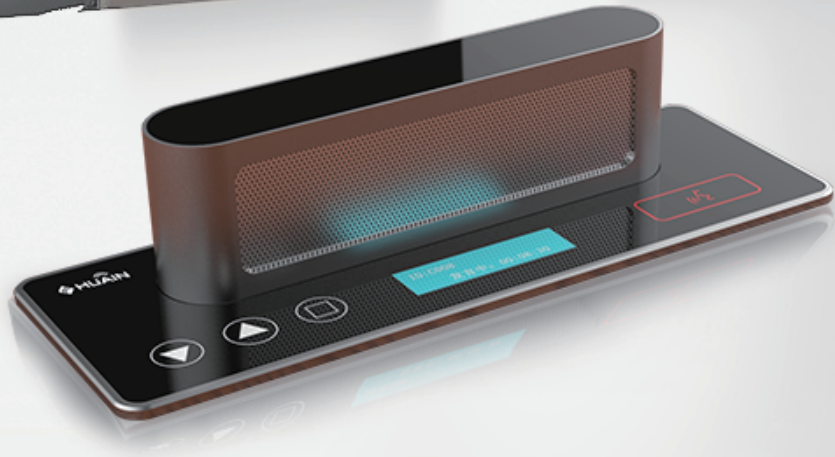
Technical Parameters	
Mic type	Array, 14mm gold plated core
Display	160×32 graphic OLED display
Frequency Response	30Hz~20KHz
SNR	>90dB
Dynamic Range	96dB
Mic Sensitivity	−37dB±2dB
Connector	8Pin (RJ45 Optional)
Equivalent Noise	20dBA (SPL)
Max SPL	125dB (THD<3%)
Dimensions	284 × 64 × 50mm
Mounting	Desktop
Weight	0.9Kg

HY-HL200 Series

HY-8000 Series

Dual-diaphragm Touch Conference Unit (HY-8320~8310 Series)

Design

① Full zinc-aluminum alloy body, 6-level touch glass panel, CNC engraving processing

② 3.5" touch screen, zinc-aluminum alloy microphone pole

Features

· DSP/DDOV technology
· 48V Dual Backup
· Dual diaphragm pickup
· Intelligent audio detection function

· Digital ID addressing mode
· 8 conference modes
· Super anti-interference ability
· Voting and sign in

HY-8320C/D Series   HY-8310C/D Series

Dual-diaphragm Touch Conference Unit (HY-6320~6310 Series)

Design

① Zinc-aluminum alloy microphone pole, one-piece pickup steel mesh design

② 3.5" fully laminated touch panel

③ Full zinc aluminum alloy panel, 6-level touch glass panel

Features

·Nano-scale fingerprint isolation
·48V dual backup
·Dual diaphragm pickup
·DSP/DDOV Technology

· Intelligent Audio Detection
· 8 conference modes
· Voting and sign in
· Digital ID addressing mode

HY-6320CS/DS Series   HY-6310C/D Series

Dual-diaphragm Electronic Tabletop Conference Unit (HY-6990~6985 Series)

Design

① Zinc-aluminum alloy microphone pole, unique cavity and sound pickup design

② 3. 5 "full lamination touch screen, 8.8" electronic name-plate display, 4:1 display ratio

Features

· Dual Backup Design
· Dual diaphragm pickup
· Intelligent Audio Detection
· Digital ID Addressing

· Conference services
· 8 conference modes
· DSP/DDOV technology
· Voting and sign in

HY-6990C/D Series   HY-6985C/D Series

Dual-Diaphragm Touch Conference Unit (HY-6315 Series)

Design

① 128×32 high brightness LCD display screen

② Nano-scale anti-fingerprint touch glass panel

③ Zinc aluminum alloy microphone pole, one-piece pickup steel mesh design.

Features

· Class D high power speaker
· Super anti-interference ability
· 8 conference modes
· High sensitivity pickup design

· DSP/DDOV digital conference technology
· Intelligent audio detection function
· "Hot Swap" function
· Dual Backup Design

HY-6315C Series   HY-6315D Series

Dual-Diaphragm Touch Conference Unit (HY-6720 Series)

Design

① Full zinc alloy body, 6-level touch glass panel

② zinc aluminum alloy microphone pole, integrated sound pickup steel mesh design

③ 3.5" fully integrated touch screen

Features

· Nano-scale fingerprint isolation
· Dual-diaphragm sound pickup
· Intelligent audio detection
· Voting and sign in

· 8 conference modes
· DSP/DDOV technology
· Super anti-interference ability
· 48V dual backup

HY-6720C Series   HY-6720D Series

Longitudinal Beam Array Conference Units (HY-S85~S83 Series)

Design

① Full zinc-aluminum alloy body, 6-stage touch glass panel, CNC engraving process.

② 3.5" fully laminated touch panel

③ Magnetic S-type pluggable microphone pole

Features

· DSP/DDOV digital conference technology
· Speaking time and timer
· 8 conference modes
· Intelligent audio detection

· Multi-language display
· High sensitivity sound pickup
· Voting and sign in
· Super anti-interference ability

HY-S85C/D Series   HY-S83C/D Series

Embedded Dual-diaphragm Conference Unit (HY-6558 series)

Design

① 128×32 high brightness LCD display screen
② Zinc aluminum alloy microphone pole,
one-piece pickup steel mesh design
③ Recessed installation, simple aluminum alloy panel

Features

· Dual diaphragm pickup
· Super anti-interference ability
· Voting function
· 8 conference modes

· DSP/DDOV digital conference technology
· Speaking time and timer function
· 3 colors indicator light
· Intelligent audio detection function

HY-6558C Series   HY-6558D Series

Mini Flip Array Conference Unit (HY-8020 Series)

Design

① 17 9.7mm gold-plated condenser pickups with lateral
sound source and angular array technology
② FTC334C professional capacitive touch-sensitive buttons
③ 15 × 14mm double-bit co-positive LED digital tube

Features

· DSP/DDOV technology
· Digital Synchro-Positioning
& Identification Processing Technology
· Automatic protection technology
· Digital ID addressing mode

· 8 conference modes
· Automatic mute function
· High-fidelity lossless audio transmission
· Super anti-interference ability
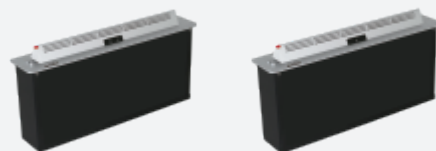
HY-8020CS Series   HY-8020DS Series

All Digital Array Conference Unit (HY-8000 Series)

Design

①Integrated sound pickup steel mesh design
② full aluminum alloy body, 6-level touch glass panel
③ 160 × 32 OLED display, hidden adjustable gain knob
④ 150 ° pickup angle, with a wider range of sound pickup

Features

· Waterproof and dustproof
· DSP/DDOV technology
· 8 conference modes
· High sensitivity sound pickup

· Intelligent Audio Detection
· Multi-language display
· Voting and sign in
· Super anti-interference ability

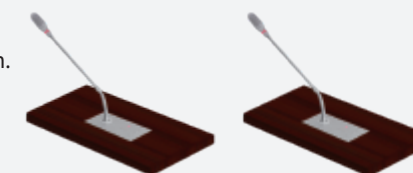HY-8000CS Series   HY-8000DS Series

Embedded Elevated Conference Unit (HY-7000 series)

Design

① Embedded lifting design, aviation-grade aluminum-magnesium alloy panel
② 15 × 14mm double-position co-positive LED digital tube
③ Multi-point balanced lifting system and high-precision guide rail design.

Features

· DSP/DDOV technology
· Digital Synchro-Positioning
& Identification Processing Technology
· High-fidelity lossless audio transmission
· Voting and sign in

· Intelligent audio detection
· Waterproof and dustproof
· 3 types of identity rights
· 8 conference modes

HY-7000CS Series   HY-7000DS Series

All Digital Touch Conference Unit (HY-6805~6800 Series)

Design

① 3.5" high full lamination touch screen
② 90mm length speaking indicator
③ Full zinc alloy body, 6 levels of touch glass
panel

Features

· DSP/DDOV technology
· Nano-scale fingerprint isolation
· High-fidelity lossless audio transmission
· Voting and sign in

· Intelligent Audio Detection
· Waterproof and dustproof
· 3 types of identity rights
· 8 conference modes

HY-6805C/D Series   HY-6800C/D Series

All Digital Touch Conference Unit (HY-6530 Series)

Design

① FTC334C professional capacitive touch-sensitive buttons
② Streamlined design, embedded steel mesh,
glass or acrylic and metal lines
③ 2" display, 6" capacitive touch panel

Features

· DSP/DDOV Technology
· Speech Timing
· High-fidelity lossless audio transmission
· Voting and sign in

· Intelligent Audio Detection
· 8 conference modes
· High sensitivity design
· Multi-language display

HY-6530C Series   HY-6530D Series

All Digital Embedded Conference Unit (HY-6515 Series)

Design

① Embedded design, full aluminum alloy panel,
6-level touch glass panel
② Unique cavity and sound pickup design
③ 160 × 32 display, capacitive touch-sensitive keys

Features

· DSP/DDOV technology
· Intelligent Audio Detection
· Digital ID Addressing
· High sensitivity design

· Super anti-interference ability
· 8 conference modes
· Voting and sign in
· Multi-language menu display

HY-6515C/D1 Series   HY-6515C/D2 Series

All Digital Desktop Conference Units (HY-6305 series)

Design

① Zinc-aluminum alloy grade 6 touch glass or touch acrylic panel
② strong anti-static function design, high quality zinc aluminum alloy panel (6303 series)
③ 128 × 32 display, built-in Class D high-power speakers (6305 series)
④ Unique cavity and sound pickup design

Features

· DSP/DDOV Technology
· Speech Timing
· High-fidelity lossless audio transmission
· Voting and sign in

· Intelligent Audio Detection
· 8 conference modes
· High sensitivity design
· Multi-language display

HY-6305C Series   HY-6305D Series

All Digital Touch Conference Unit (HY-6290 series)

Design

① 2" LCD display, 12cm diameter touch glass panel
② Zinc aluminum alloy unibody base, 6-level touch glass panel
③ Unique cavity and sound pickup design

Features

· DSP/DDOV technology
· Intelligent Audio Detection
· Speech Timing
· 8 conference modes

· High sensitivity design
· 3 colors indicator
· Super anti-interference ability
· Digital ID addressing mode

HY-6290CN/DN Series   HY-6290CS/DS Series

HY-6300M2

Digital Economy Conference Controller

Features

· With 6 channels of unit output interface, it supports the maximum connection of 180 units. The system capacity is 65535 units.
· 6 conference modes: FIFO, queuing to speak, computer permission, speaking time limit, quantity limit, free discussion.
· The panel can control the equalization adjustment of auxiliary, MIC input volume, conference unit output volume, speaker volume, and master volume.
· Built-in electronic voting function, with sign-in, voting, election, scoring and other data management functions.
· With line power "hot-swap" function, the system operation security and stability are effectively guaranteed.

Parameter Comparison Table

	HY-6300M	HY-6300M2
Display	128×32 LCD display	2.8" LCD color display
Mic Connector	2*8-Pin + 2*RJ45	4*8-Pin + 2*RJ45
Recording Function	–	Option
System Capacity	Single 90 units, expandable to 65535 units	Single 180 units, expandable 65535 units
Number of speakers	1~6 units	1~6 units
Video Matrix	○	○
Camera Tracking	○	○
Independent Volume Adjustment	○	○
Conference Modes	Two modes (FIFO, free discussion)	

Digital Dual Diaphragm Conference Unit (HY-6312 Series)

Design

①Tabletop streamlined design
② Panel speech indicator
③ Zinc aluminum alloy microphone pole, one-piece pickup steel mesh design

Features

· DSP/DDOV digital conferencing technology
· High-fidelity lossless audio transmission
· Dual-diaphragm pickup
· Intelligent audio detection

· Digital ID Addressing
· 6 conference modes
· Hot-swap function
· Super anti-interference ability

HY-6312C Series   HY-6312D Series

Digital Dual Diaphragm Conference Unit (HY-6210 Series)

Design

① Full zinc alloy body, base finishing one-piece molding
② Panel speech indicator
③ zinc-aluminum alloy microphone pole, one-piece pickup steel mesh design

Features

· DSP/DDOV digital conferencing technology
· High-fidelity lossless audio transmission
· Dual-diaphragm pickup
· Intelligent audio detection

· Digital ID Addressing
· 6 conference modes
· Hot-swap function
· Super anti-interference ability

HY-6210C Series   HY-6210D Series

Embedded dual-diaphragm conference unit (HY-6112 series)

Design

① Zinc-aluminum alloy microphone pole, one-piece pickup steel mesh design
② Aluminum alloy embedded touch glass panel
③ Embedded design

Features

· DSP/DDOV digital conferencing technology
· Waterproof function
· Super anti-interference capability
· Dual-diaphragm sound pickup

· Camera tracking
· Digital ID Addressing
· Hot-swap function
· Intelligent audio detection

HY-6112C Series   HY-6112D Series

Dual Diaphragm Digital Conference Unit (HY-CS510 Series)

Design

① 48mm length speech indicator
② Speaking button with graphics and Braille double identification
③ Built-in Class D speakers optional,
automatic mute after opening the microphone

Features

· DSP/DDOV technology
· Intelligent audio detection
· Graphic, Braille Dual Marking
· Class D speaker

· High sensitivity design
· 3 colors indicator
· Super anti-interference ability
· Digital ID addressing mode

HY-CS510C Series   HY-CS510D Series

Digital Conference Unit (HY-CS500 Series)

Design

① 48mm length speech indicator
② Speaking button with graphics and Braille double identification
③ Built-in Class D speakers optional, automatic mute after opening the microphone

Features

· DSP/DDOV technology
· Intelligent audio detection
· Graphic, Braille Dual Marking
· Class D speaker

· High sensitivity design
· 3 colors indicator
· Super anti-interference ability
· Digital ID addressing mode

HY-CS500C Series   HY-CS500D Series

Digital Desktop Conference Unit (HY-6200 Series)

Design

① Full zinc alloy body, base finishing one-piece molding
② panel speech indicator, microphone connector and studs are made of pure copper

Features

· DSP/DDOV digital conferencing technology
· High-fidelity lossless audio transmission
· Intelligent audio detection
· Digital ID Addressing

· 6 conference modes
· Hot-swap function
· Super anti-interference ability
· Automatic detection function

HY-6200C Series   HY-6200D Series

Digital Embedded Conference Unit (HY-6110 Series)

Design

① Embedded design
② Stem connector and all studs are made of pure copper
③ Zinc aluminum alloy embedded touch acrylic panel

Features

· All-digital conference technology
· Digital ID Addressing
· DSP/DDOV digital conference technology
· Low power consumption design
  for passive devices

· Digital strong anti-jamming technology
· Camera tracking
· Static isolation technology design
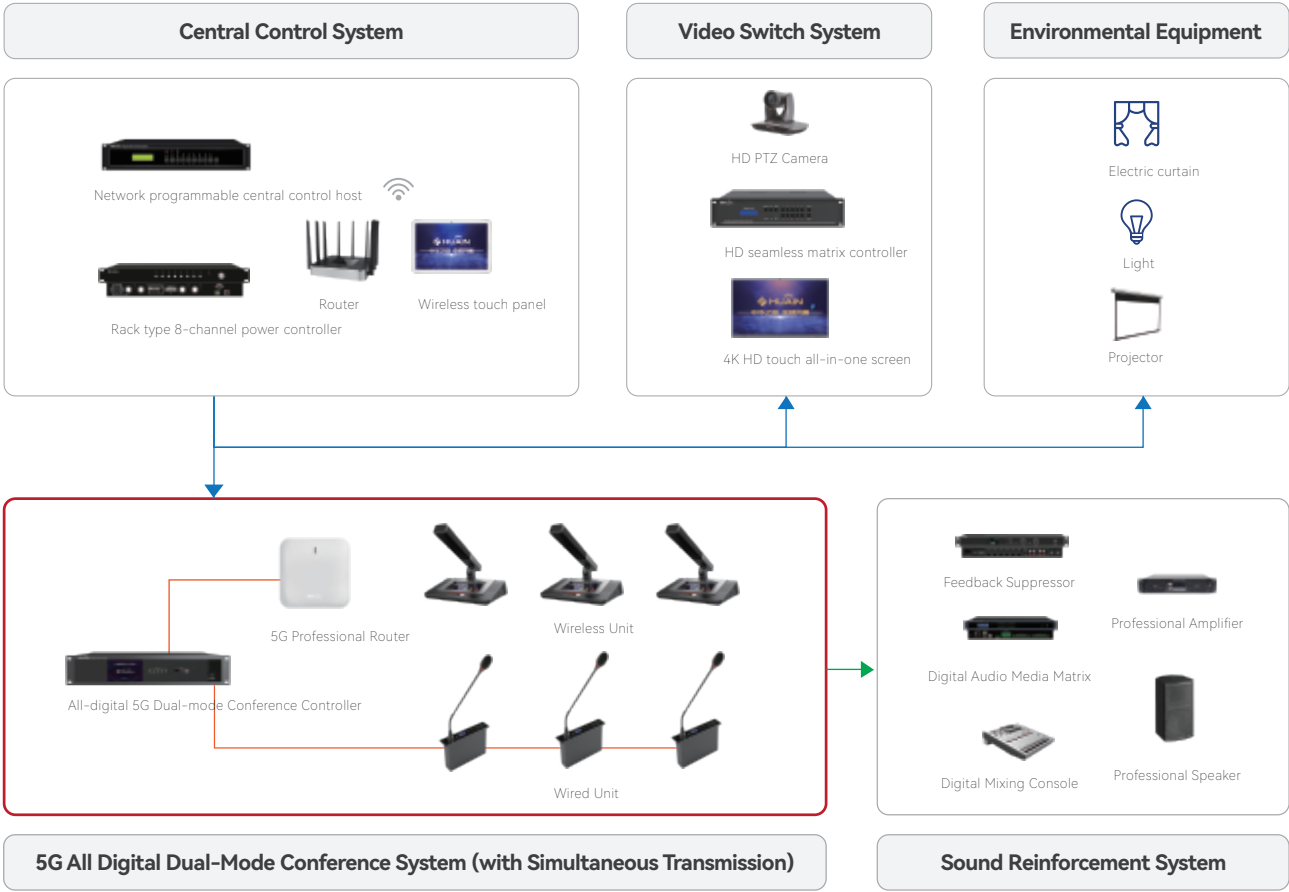· Hot-swap function

HY-6110C Series   HY-6110D Series

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

Central Control System	Video Switch System	Environmental Equipment
Network programmable central control host	HD PTZ Camera	Electric curtain
Router / Wireless touch panel	HD seamless matrix controller	Light
Rack type 8-channel power controller	4K HD touch all-in-one screen	Projector

5G All Digital Dual-Mode Conference System (with Simultaneous Transmission)

- 5G Professional Router
- Wireless Unit
- All-digital 5G Dual-mode Conference Controller
- Wired Unit

Sound Reinforcement System

- Feedback Suppressor
- Professional Amplifier
- Digital Audio Media Matrix
- Digital Mixing Console
- Professional Speaker

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 Dual Diaphragm Conference Unit (HY-8805 Series)

Design
① With 5-inch capacitive touch screen display
② Integral molding pickup steel mesh design
③ COF full lamination process, dustproof and waterproof

Features
· 5.0" fully laminated touch screen
· Removable Battery
· Name guide
· Conference monitoring
· Individually adjustable audio /built-in monitor speakers
· Select wired or wireless
· Centralized control
· 5 languages
· 64-channel simultaneous interpretation
· Digital 10-band equalization EQ

HY-8805C/D Series

HY-8805C/DW Series (5G Wireless Version)

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	
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-8620W Series

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
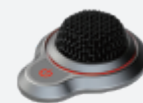
HY-8613C Series
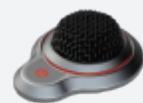
HY-8613D Series

All Digital 5G Wireless Dual-diaphragm Conference Unit (HY-8720 series)

Design

① 3.5" LCD fully laminated nano-scale fingerprint-resistant touch screen
② zinc aluminum alloy microphone pole, unique cavity and integrally molded pickup steel mesh design

Features

- Dual-diaphragm sound pickup
- 10-band EQ adjustment
- Whistling suppression
- Wireless charging function
- 64-channel simultaneous interpretation
- Fully laminated touch screen
- 5G wireless transmission

HY-8720C Series

HY-8720D Series

All Digital Dual-diaphragm Conference Unit (HY-8820 series)

Design

① 5.0" LCD fully laminated nano-scale fingerprint-resistant touch screen
② Zinc-aluminum alloy speaker pole,
unique cavity and integrally molded pickup steel mesh design

Features

- 5.0" LCD fully laminated nano-scale fingerprint-resistant touch screen
- Dual-diaphragm pickup
- Name guide
- Conference monitoring
- Audio independent adjustment /built-in monitor speakers
- Select wired or wireless
- Centralized control
- 5 languages switching
- 64-channel simultaneous interpretation
- Digital 10-band balanced EQ

HY-8820C Series

HY-8820D 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

2.4G Wireless Conference Unit

HY-5940 / HY-5840 series

① Wireless charging function, to solve the charging cable constraints and the problem of insufficient power for a long time meeting.

② Nano-scale fingerprint isolation technology, the panel effectively isolate the water, stains, to achieve fingerprints, anti-sweat effect.

③ Speech Timing function, support for dynamic display of the speaking time, supports the audio sampling frequency of 48KHz.

④ 2.4G full 2.4G all-digital communication technology, ISM band, to ensure that the audio delay is less than 5.5mS.

⑤ 4 working modes, the number of speeches can be customized (the number can be set up for 1/2/3/4 units).

HY-5840 Series	
Frequency	2.4G~2.5G
Display	3.5-inch LCD display
Mic Type	Cardioid Directional Electret
Frequency Response	30Hz~20KHz
SNR	>92dB
Dynamic Range	98dB
Mic Sensitivity	-35dB±2dB
Li-Ion Battery Capacity	3000mA
Equivalent Noise	20dBA(SPL)
Max SPL	136dB(THD<3%)
Size (W*D*H)	100×130×55mm
Weight	0.68Kg

HY-5840 Series	
Frequency	2.4G~2.5G
Display	3.5-inch LCD display
Mic Type	Cardioid Directional Electret
Frequency Response	30Hz~20KHz
SNR	>90dB
Dynamic Range	96dB
Mic Sensitivity	-37dB±2dB
Li-Ion Battery Capacity	3000mA
Equivalent Noise	20dBA(SPL)
Max SPL	125dB(THD<3%)
Size (W*D*H)	100×130×55mm
Weight	0.54Kg

HY-5940 Series

HY-5840 Series

HY-5800M

2.4G Wireless Conference Controller

Features

· 3.8" LCD screen and control buttons, with menus displayed in Chinese and English, customizable to other languages as needed.
· Uses ISM band, 2.4G all-digital frequency hopping (DSSS) modulation communication technology, with strong anti-interference capabilities.
· Utilizes ID addressing control method, with a single host able to connect 256 wireless conference units, expandable to access 4096 units.
· Supports 4 operational modes: First In First Out (FIFO), Chairman Only, Limited Time Speaking, and Restricted Speaking.
· Features channel opening for units, ID address code, real-time battery display, and clear system operation status at a glance

Parameter Comparison

	HY-5800M	HY-5800M5
Display	3.8-Inch LCD Display	4.5" TFT Fully Integrated Touch Screen
Voting	Expandable	O
Sign-in	Expandable	○
Conference Mode	4 Modes	8 Modes
Number of Speakers	Wireless 1-4 Units	Wired 1-9 Units / Wireless 1-4 Units
Connecting Mic Interface	1*ANT Wireless Interface	6*8-Pin +2*RJ45 and 1*DATA Interface
Camera Tracking	○	○
Matrix Switching	○	-
Volume Shortcut	○	-
Wired and Wireless Capability	-	○
System Capacity	Wireless Support for 4096 Units	Wired Support for 76800 Units, Wireless Support for 4096 Units

2.4G Wireless Conference Unit (HY-5930~5830 Series)

Design

① FTC334C Professional Capacitive Touch Sensitive Keys
② Streamline design, embedded with steel mesh, glass or acrylic and metal lines
③ 2" Display, 6" Capacitive Touch Panel

Features

· DSP/DDOV technology
· Wireless charging
· ISM band
· Full digital frequency hopping (DSSS) modulation communication technology

· High-sensitivity pickup design
· Ultra anti-interference capability
· Conference eavesdropping code encryption protection
· Static isolation technology

HY-5930C/D Series   HY-5830C/D Series

2.4G Wireless Conference Unit (HY-5940~5840 Series)

Design

① 3.5" Display, Aluminum Alloy Panel, 6 Levels of Touch Glass Panel
② Nano Fingerprint Isolation Design
③ FTC334C Professional Capacitive Touch Sensitive Keys

Features

· DSP/DDOV technology
· Wireless charging
· ISM band
· DSSS modulation communication technology

· Voting and sign-in
· Strong anti-jamming ability
· Conference eavesdropping encryption protection
· Static isolation technology

HY-5940C/D Series   HY-5840C/D Series

Wireless Charger

Design

① High quality aluminum alloy embedded tempered glass panel
② According to the microphone design exclusive design appearance, four precise positioning holes

Features

· Wireless fast charging
· Ultra-quiet mode
· Strong heat dissipation

· Compatible with mobile phone
· Intelligent power-off protection
· Over-voltage, under-voltage, over-current protection

HY-PW1   HY-KW1

HY-U5950M

WiFi + UHF Dual-engine Wireless Conference Controller

Features

· All localized chip implantation, promote the "China Chip"
· Unit 3.5 "LCD fully laminated touch screen for more convenient functionality
· Dual-diaphragm, gooseneck, handheld, headset unit can be mixed and matched
· Unit detects the status of the host automatically power on and standby
· Switch three languages: Chinese, English and Russian
· Unit customization 6 kinds of theme background style switching
· Unit simultaneous speakers can be controlled from 1 to 6
· 10 groups of WiFi channels, support 20 sets of systems at the same time
· According to the scene environment, the screen has 18-band brightness adjustment
· According to the sound field environment, the unit has 20-band equalization adjustment

Parameter Details

Display	2.0" LCD Display Screen
Conference Mode	FIFO
Number of Speakers	1-6 Persons
Display Menu	3 Languages: Chinese\English\Russian (Customizable)
System Capacity	Maximum Support of 999 Units for A Single Host
Signal Channels	Three Sets of Audio Signals and One Set of Control Signals
System Channels	10 Sets of WiFi Channels
Camera Tracking	○
Wireless Frequency Range	UHF 630-690MHz
Wireless Coverage	≥50 Meters (Barrier-free Environment)

Dual-Engine Wireless Dual-Diaphragm Conference Unit (HY-U5950 Series)

Design
① 3.5" LCD High Brightness Display
② Aluminum Alloy Embedded Glass Panel
③ Gravity Sensitive Touch Chip

Features
· 20-band equalization adjustment　· Static isolation technology
· 3000mA/H lithium battery　· Three languages switching
· Screen brightness adjustment　· High-performance power management
· Customized interface style　· Speaker count control

HY-U5950C Series　　HY-U5950D Series

Dual-Engine Wireless Dual-Diaphragm Conference Unit (HY-U5960 Series)

Design
① 2.0" LCD High Brightness Display
② Individual Power On/Off Button
③ Zinc Aluminum Alloy Microphone Pole, Integral Pickup Stencil Design

Features
· 3 languages switching　· Static isolation technology
· Speaker count control　· Dual-diaphragm pickup
· Super anti-interference ability　· 7800mA/H Li-Po battery
· USB and charging box charging　· Ultra-long battery life

HY-U5960C Series　　HY-U5960D Series

Wireless Handheld Conference Unit (HY-U58 Series)

Design
① 1.0" High Brightness LCD Display
② High-quality Network Head and Pickup Head Module
③ Full Metal Body

Features
· UHF single-channel multi-channel design　· Supports FIFO quantity mode
· 600-700MHz frequency range selection　· Low power consumption design
· 1.0" high-brightness LCD display　· Individual reception sensitivity adjustment
· Innovative intelligent power control　· Number of speakers can be set to 1/2/3/4/5/6 units
　algorithm

HY-U58C　　HY-U58D

HY-U5900M

WiFi+UHF Dual Engine Wireless Conference Host

Features

8 sets of true diversity audio signals and one set of control signals
20 groups of WiFi channels can be selected, supporting 20 sets of systems to use at the same time
2 modes: first-in-first-out, quantity-limited mode
Number of speakers can be set to 1/2/3/4 units
Automatic shutdown of the standby unit to protect the power of the unit
Automatic sweeping radar scanning detects frequencies in the environment
that are free of interference
A single host supports up to 999 wireless conference units online

Dual Engine Wireless Dual Pole Conference Unit (HY-U5940CT2 Series)

Design
① 2.44" LCD High Brightness Display
② Zinc Aluminum Alloy Dual Pole Microphone Pole
③ Nano Fingerprint Isolation Design

Features
· WiFi Multi-Channel + UHF 4-Channel Design   · Static Isolation Technology
· Dual Charging Device   · High Sensitivity Design
· Ultra Anti-Jamming Capability   · 3000mA/H Lithium Battery
· Low Battery Alert Function   · Video Tracking

HY-U5940CT2 Series

Dual Engine Wireless Conference Unit (HY-U5940 Series)

Design
① 2.44" Display, Virtual Touch Buttons
② Aluminum Alloy Panel, 6 Levels Touch Glass Panel
③ Nano Fingerprint Isolation Design

Features
· 3000mA/H Li-ion battery   · Dual charging device
· Waterproof and dustproof design   · Static isolation technology
· High sensitivity design   · Low battery reminder
· WiFi multi-channel + UHF   · Strong anti-interference capability
  four-channel design

HY-U5940C Series   HY-U5940D Series

Dual Engine Wireless Conference Unit (HY-U5910 Series)

Design
① 2.44" Display
② Physical Speaker Button
③ Individual Power On/Off Button

Features
· HD visualization interface   · Static isolation technology
· Ultra-long distance signal coverage   · Low battery reminder function
· High sensitivity design   · High-performance power management
· 3000mA/H Li-ion battery   · Ultra-strong anti-interference capability

HY-U5910C Series   HY-U5910D Series

Dual Engine Wireless Conference Unit (HY-U5810 Series)

Design
① 2.44" Display
② Physical Speaker Buttons
③ Individual Power On/Off Button

Features
· HD visualization interface   · Static isolation technology
· Ultra-long distance signal coverage   · Low battery reminder function
· High sensitivity design   · High-performance power management
· 3000mA/H Li-ion battery   · Ultra-strong anti-interference capability

HY-U5810C Series   HY-U5810D Series

Dual Engine Wireless Conference Unit (HY-U5840 Series)

Design
① 2.44" Display, Virtual Touch Keys
② Aluminum Alloy Panel, 6 Levels Touch Glass Panel
③ Nano Fingerprint isolation design

Features
· 3000mA/H Li-ion battery   · Dual charging device
· Waterproof and dustproof design   · Static isolation technology
· High sensitivity design   · Low battery reminder function
· WiFi multi-channel + UHF   · Ultra strong anti-interference capability
  four-channel design

HY-U5840C Series   HY-U5840D Series

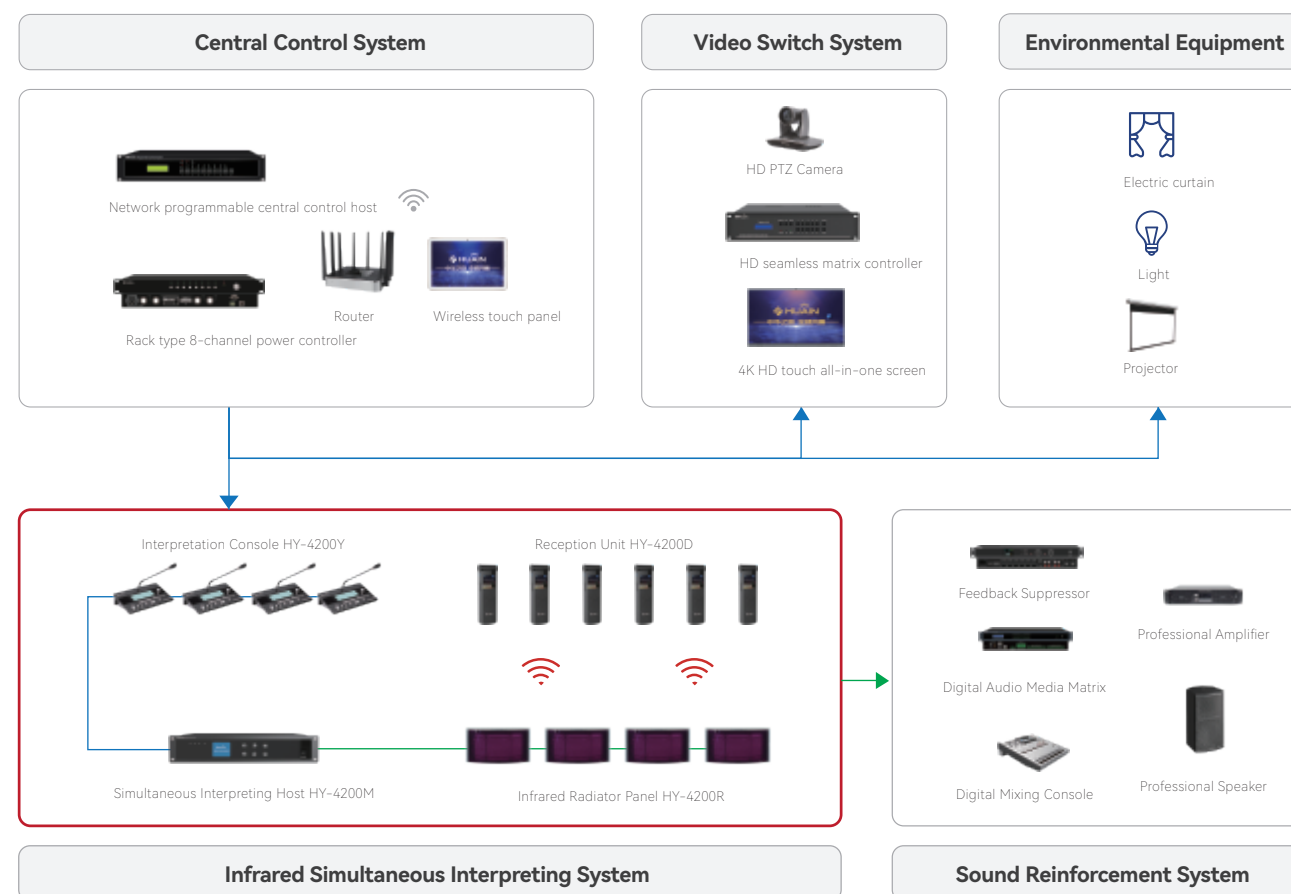# Infrared simultaneous interpretation system

System Features

The working principle of the all-digital infrared language distribution system is to use infrared transmission for language distribution. It has super confidentiality and is highly respected. It is the most advanced transmission method in the infrared simultaneous interpretation system on the market. It is suitable for various small, medium and large conference rooms and outdoor places with high confidentiality requirements.

Features

Modulation frequency band: 2-8MHz carrier frequency, cross-used with IEC61603-7 international standard
Usage channels: 4/6/8/12/16 channels can be configured, up to 64 channels
Cable compensation: Adjustable delay compensation, radiators can be connected in series or in parallel
Merge mode: 2 N-channel hosts can be merged to form 2N channels
Three working modes: With normal, emergency, and leisure modes can be set

System Topology

Central Control System	Video Switch System	Environmental Equipment

Network programmable central control host

Router   Wireless touch panel

Rack type 8-channel power controller

HD PTZ Camera

HD seamless matrix controller

4K HD touch all-in-one screen

Electric curtain

Light

Projector

Interpretation Console HY-4200Y   Reception Unit HY-4200D

Simultaneous Interpreting Host HY-4200M   Infrared Radiator Panel HY-4200R

Feedback Suppressor

Digital Audio Media Matrix

Digital Mixing Console   Professional Speaker

Professional Amplifier

Infrared Simultaneous Interpreting System

Sound Reinforcement System

All Digital Infrared Radiator (HY-4200R)

Features

1. All-digital infrared audio processing chip technology
2. 2-8MHz frequency band, infrared receiving unit is not subject to external interference such as high-frequency driving light source.
3. 32 languages can be transmitted and processed at the same time.
4. New digital lock and confidentiality function
5. With two digital signal output ports (BNC)
6. Use universal power supply, suitable for global use
7. Support cable delay compensation

HY-4200R

All Digital Infrared Receiver Unit (HY-4200D Series)

Design

①128 x 64 LCD display with backlighting

Features

· All digital infrared audio processing chip technology
· Low power design
· DQPSK modulation technology
· Can answer 4/8/12/16 different languages at the same time

· Anti-theft detection function
· New digital locking technology
· 28 levels of volume adjustment
· Receiving angle up to 270°

HY-4200D Series

All Digital Interpretation Console (HY-4200Y series)

Design

① Color display screen
② Aluminum alloy panel

Features

· All digital infrared audio processing chip technology
· Digital audio transmission technology
· High-fidelity lossless audio transmission technology
· 4/8/12/16-channel simultaneous interpretation and monitoring functions

· Indirect translation function
· Cough elimination function
· Speech speed reminder function
· Request for help function

HY-4200Y Series

HY-M2002H

Wireless conference microphone

Features

· Adopt UHF 2/4/8-channel multi-channel design, high-precision phase-locked loop frequency synthesis PLL technology, more stable transmission
· Optional wireless charging function, completely solves the problem of charging cable restraint and insufficient power during long meetings
· With 240 adjustable frequency points, it is convenient to use multiple sets and easily avoid various interferences
· The unit has a built-in high-fidelity 9.7mm gold-plated condenser pickup head, accurately calculates the aperture and spacing, and improves the human voice frequency response range
· Advanced automatic frequency matching technology, the system automatically searches for selected frequencies and ACT (automatic channel tracking) function
· Channel locking function, in the locked state, it can avoid abnormal operations to change the current various set parameters
· Optional gooseneck, square rod, head-mounted, handheld, and lavalier microphones can be mixed and used
· The host has 20 levels of volume adjustment, and the conference unit has 6 levels of volume adjustment

Parameter Details

HY-M2004H   **HY-M2008H**

Frequency Range	610–695MHz
Modulation Mode	FM
Adjustable Range	85MHz
Number of Channels	240
Dynamic Range	>105dB
Maximum Frequency Deviation	±45KHz
Frequency Response	50Hz–20KHz
Comprehensive SNR	>105dB
Comprehensive Distortion	≤0.5%
Sensitivity	12 dBμV (80dBS/N)
Power Supply	DC 12V/ 1000mA
Unit Charging	TYPE-C
Unit Power Consumption	<200mV
Battery Capacity	3000mAH
Standby Time	>15 hours
Effective Distance	60M

HY-M2002E

Wireless Dual Diaphragm Conference Microphone

Features

· Adopting UHF two/four/eight-channel multi-channel design, high-precision phase-locked loop frequency synthesis PLL technology, more stable transmission
· Optional wireless charging function, completely solve the problem of charging cable restraint and insufficient power during long meetings
· With 240 adjustable frequency points, convenient for multiple sets of use, easily avoiding all kinds of interference
· The unit adopts zinc-aluminum alloy microphone stem, built-in 2×14mm high-fidelity gold-plated condenser dual-diaphragm pickup head
· Advanced automatic frequency matching technology, the system automatically searches for selected frequencies and has ACT (automatic channel tracking) functions
· Channel locking function, which can prevent abnormal operations from changing the current set parameters in the locked state
· Optional gooseneck, square rod, headset, handheld, and lavalier microphones for mixed use
· The host has 20 levels of volume adjustment, and the conference unit has 6 levels of volume adjustment

Parameter Details

HY-M2004E   **HY-M2008E**   **HY-M2004ET**   **HY-M2008ET**

Modulation Mode	FM
Adjustable Range	85MHz
Number of Channels	240
Dynamic Range	>105dB
Max Frequency Deviation	±45KHz
Frequency Response	50Hz–20KHz
Comprehensive SNR	>105dB
Comprehensive Distortion	≤0.5%
Sensitivity	12 dBμV (80dBS/N)
Power Supply	DC 12V/ 1000mA
Unit Charging	TYPE-C
Unit Power Consumption	<220mV
Battery Capacity	3000mAH
Standby Time	>15 hours
Effective Distance	60M

HY-M2002S

Wireless Handheld Microphone

Features

· Adopting UHF two/four-channel multi-channel design, high-precision phase-locked loop frequency synthesis PLL technology, more stable transmission
· With wireless charging function, it solves the problem of charging cable restraint and insufficient power during long meetings
· The unit adopts a high-brightness LCD display screen, which can dynamically display unit power, volume, channel and other information
· Advanced automatic frequency matching technology, the system automatically searches for selected frequencies and ACT (automatic channel tracking) function
· Channel locking function, in the locked state, it can prevent abnormal operations from changing the current various set parameters
· The host has 20 levels of volume adjustment, and the volume of each channel can be adjusted independently
· The wireless handheld microphone has an independent power switch button to effectively prevent leakage
· Optional gooseneck, square rod, headset, handheld, and lavalier microphones can be mixed and matched

Parameter Details

HY-M2002S/HY-M2002SC (Rechargeable)   **HY-M2004S/HY-M2004SC (Rechargeable)**

Frequency Range	610–695MHz
Modulation Mode	FM
Adjustable Range	85MHz
Number of Channels	240
Dynamic Range	>105dB
Max Frequency Deviation	±45KHz
Frequency Response	50Hz–20KHz
Comprehensive SNR	>105dB
Comprehensive Distortion	≤0.5%
Sensitivity	12 dBμV (80dBS/N)
Power Supply	DC 12V/ 1000mA
Unit Charging	Battery/Charger
Unit Power Consumption	<15mV
Battery Capacity	2 AA batteries
Standby Time	>15 hours
Effective Distance	60M

HY-M2002T

Wireless Headset Microphone

Features

· Adopting UHF two/four-channel multi-channel design, high-precision phase-locked loop frequency synthesis PLL technology, more stable transmission
· Ultra-light head-mounted microphone material, no strange feeling after wearing, light and comfortable
· The unit adopts high-brightness LCD display, which can dynamically display unit power, volume, channel and other information
· Advanced automatic frequency matching technology, the system automatically searches and selects the frequency and ACT (automatic channel tracking lock) function
· Channel lock function, in the locked state, can prevent abnormal operation from changing the current various set parameters
· The host has 20 levels of volume adjustment, and can independently adjust the volume of each channel
· The wireless headset microphone has an independent power switch button to effectively prevent leakage
· Optional gooseneck, square rod, headset, handheld, and collar clip microphones can be mixed and used

Parameter Details

HY-M2002T   **HY-M2004T**

Frequency Range	610–695MHz
Modulation Mode	FM
Adjustable Range	85MHz
Number of Channels	240
Dynamic Range	>105dB
Max Frequency Deviation	±45KHz
Frequency Response	50Hz–20KHz
Comprehensive SNR	>105dB
Comprehensive Distortion	≤0.5%
Sensitivity	12 dBμV (80dBS/N)
Power Supply	DC 12V/ 1000mA
Unit Power Supply	2 AA batteries
Unit Power Consumption	<10mV
Standby Time	>15 hours
Effective Distance	60M

HY-M2002L

Wireless Lavalier Microphone

Features

· Adopt UHF two/four-channel multi-channel design, high-precision phase-locked loop frequency synthesis PLL technology, more stable transmission
· Convenient lavalier microphone, can be held in hand or clipped with a tie, and has strong adaptability
· The unit adopts a high-brightness LCD display, which can dynamically display unit power, volume, channel and other information
· Advanced automatic frequency matching technology, the system automatically searches for selected frequencies and ACT (automatic channel tracking lock) function
· Channel lock function, in the locked state, can prevent abnormal operation from changing the current set parameters
· The host has 20 levels of volume adjustment, and can independently adjust the volume of each channel
· The wireless lavalier microphone has an independent power switch button to effectively prevent leakage
· Optional gooseneck, square rod, headset, handheld, and lavalier microphones can be mixed and used

Parameter Details

HY-M2002L   **HY-M2004L**

Frequency Range	610–695MHz
Modulation Mode	FM
Adjustable Range	85MHz
Number of Channels	240
Dynamic Range	>105dB
Max Frequency Deviation	±45KHz
Frequency Response	50Hz–20KHz
Comprehensive SNR	>105dB
Comprehensive Distortion	≤0.5%
Sensitivity	12 dBμV (80dBS/N)
Power Supply	DC 12V/ 1000mA
Unit Power Supply	2 AA batteries
Unit Power Consumption	<10mV
Standby Time	>15 hours
Effective Distance	60M

HY-SS904D

Array Speech Microphone

Features

· Exquisite star gray design, smooth proportions, very modern
· All-aluminum alloy lateral array structure, precise control of the pickup angle, to avoid acoustic feedback
· 4 sets of zinc-aluminum alloy microphone poles, built-in dual-diaphragm high-fidelity pickup head
· High sensitivity design, with automatic gain AGC function
· Straight-through audio output, no on/off button, simple and fast operation
· Power supply and amplifier components in front of the head, external DC 48V phantom power work

Parameter Details

Pickup Head	Quad 14mm gold-sputtered condenser capsules
Frequency Effect	30Hz–20KHz
Sensitivity	–38dB
Directivity	Cardioid
SNR	>85dB
Output Impedance	500Ω
Pickup Distance	60-100cm
Operating Voltage	48V DC
Output Interface	4x3-Pin XLR
Mounting Method	Tabletop

HY-863D

Capacitive Conference Unit

Features

· All zinc aluminum alloy embedded Mohs hardness level 6 touch panel, with waterproof and dustproof function
· Light touch keys, precise positioning, quick control, no mechanical keys
· Advanced static electricity isolation technology design, dry environment and area can avoid static electricity
· Digital strong anti-interference technology, not subject to cell phones, Bluetooth, radio, WiFi and other signal interference
· High-fidelity lossless audio transmission technology, 48KHz audio sampling frequency
· Tone head front power supply and amplifier components, external DC 48V phantom power supply work

Parameter Details

	HY-863D	HY-864D	HY-630D
Pickup Head	2 x 14mm gold-plated capacitive	2 x 14mm gold-plated capacitive	2 x 14mm gold-plated capacitive
Frequency Effect	30Hz-20KHz	30Hz-20KHz	30Hz-20KHz
Sensitivity	-40dB±2dB	-40dB±2dB	-40dB±2dB
Directivity	Cardioid	Cardioid	Cardioid
SNR	>82dB	>82dB	>82dB
Output Impedance	200Ω	200Ω	200Ω
Max SPL	125dB	125dB	125dB
Equivalent Noise Level	16dB	16dB	16dB
Operating Voltage	48V DC	48V DC	48V DC
Color	Black, Blue-Gray	Black	Black
Mounting Method	Desktop	Desktop	Desktop

HY-621D

Capacitive Conference Unit

Features

· High-quality zinc alloy processing one-piece molding, no surface seams, no screw holes
· Zinc-aluminum alloy microphone pole, built-in dual-diaphragm high-fidelity pickup head, adjustable tilt angle
· High-fidelity lossless audio transmission technology, 48KHz audio sampling frequency
· Professional quality, convenient operation, energy saving and environmental protection
· Tone pre-power supply and amplifier components, external DC 48V phantom power supply work
· Built-in high-quality low-frequency attenuation circuitry, low-impedance balanced audio output

Parameter Details

	HY-621D	HY-620D
Pickup Head	2*14mm gold-plated capacitive	9.7mm gold-plated capacitive
Frequency Effect	30Hz-20KHz	30Hz-20KHz
Sensitivity	-36dB±2dB	-40dB±2dB
Directivity	Cardioid	Cardioid
SNR	>82dB	>82dB
Output Impedance	200Ω	200Ω
Max SPL	136dB	125dB
Equivalent Noise Level	16dB	16dB
Operating Voltage	48V DC	48V DC
Color	Black, Gray	Black, Gray
Mounting Method	Desktop	Desktop

Wireless Conference System

The wireless electronic voting system is specially developed to meet the needs of various proposal voting, democratic evaluation, personnel election, evaluation and scoring, on-site interaction, etc. of the National People's Congress, the Chinese People's Political Consultative Conference, the government, enterprises and institutions. It realizes digital signal transmission and processing, is easy to operate, has strong confidentiality, and is fully functional. It has highly reliable hardware design, strong confidentiality of key voting, and intuitive and clear user operation. The signal transceiver has 360-degree omnidirectional communication, which can bypass various obstacles and achieve signal stability and strong anti-interference ability.

System Topology

Central Control System	Video Switch System	Environmental Equipment

Central Control System
Network programmable central control host
Router   Wireless touch panel
Rack type 8-channel power controller

Video Switch System
HD PTZ Camera
HD seamless matrix controller
4K HD touch all-in-one screen

Environmental Equipment
Electric curtain
Light
Projector

HUAIN Wireless Voting System
Wireless Voting Transceiver   Wireless Voting Unit
Computer and Software   Voting Unit Charging Box

Sound System
Feedback suppressor
Professional amplifier
Digital audio media matrix
Digital mixer   Professional speaker

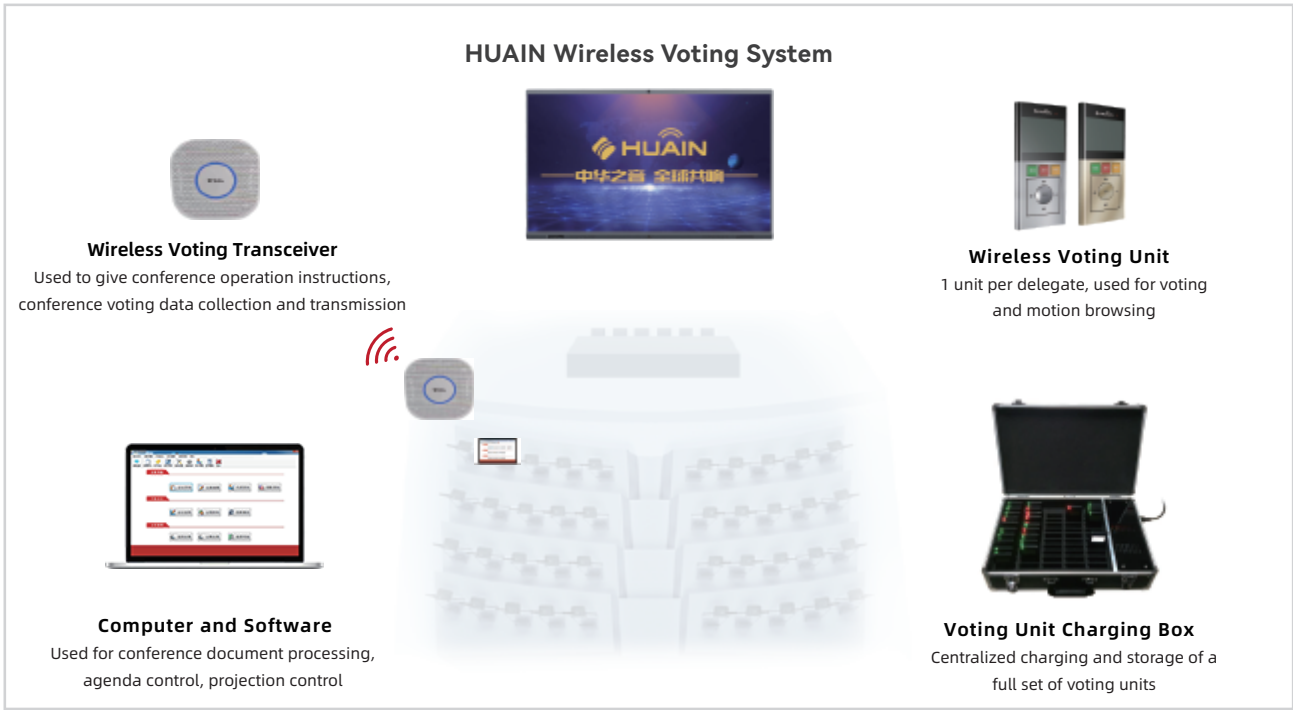| HUAIN Wireless Voting System	Sound System

HY-V100D
Wireless Voting Unit

Features

· Convenience: electronic voting device installation without complex wiring, easy to organize the network, that is, open and ready to use
· Security: 128-bit AES Rijndael and 48-bit PIN code encryption protection, ultra-strong confidentiality
· Reliability: automatic wireless frequency-hopping communication technology, 360-degree all-directional communication, anti-jamming capabilities
· Applicability: Voting machine with fashionable design, strong sense of human-computer interaction, comfortable hand feeling, and simple and easy-to-understand operation interface
· Expandability: 1000+ voting machines with large capacity, adaptable to a variety of large-scale occasions.
· Manageability: Pre-meeting, in-meeting, and post-meeting data management and operation, and facilitate the management of the front-end to the back-end.

System Topology

HUAIN Wireless Voting System

Wireless Voting Transceiver
Used to give conference operation instructions, conference voting data collection and transmission

Wireless Voting Unit
1 unit per delegate, used for voting and motion browsing

Computer and Software
Used for conference document processing, agenda control, projection control

Voting Unit Charging Box
Centralized charging and storage of a full set of voting units

HY-6525BS
Embedded Voting Unit

Features

· Advanced and stable "IRIN" chip, DSP/DDOV digital conference technology, digital signal transmission and processing
· 128×32 LCD display, displaying system ID, check-in, voting data and other information
· Embedded design, simple aluminum alloy panel waterproof and dustproof cover plate set
· Real-name and anonymous check-in, using the key to check-in and fill in the check-in and other functions
· Sign-in countdown, sign-in data can be dynamically displayed in real time
· Voting function, should be present or actually present calculation mode, not pressing the key to deal with, confidentiality mode and other functions
· Sign-in, voting key can be customized according to the needs of the different language display
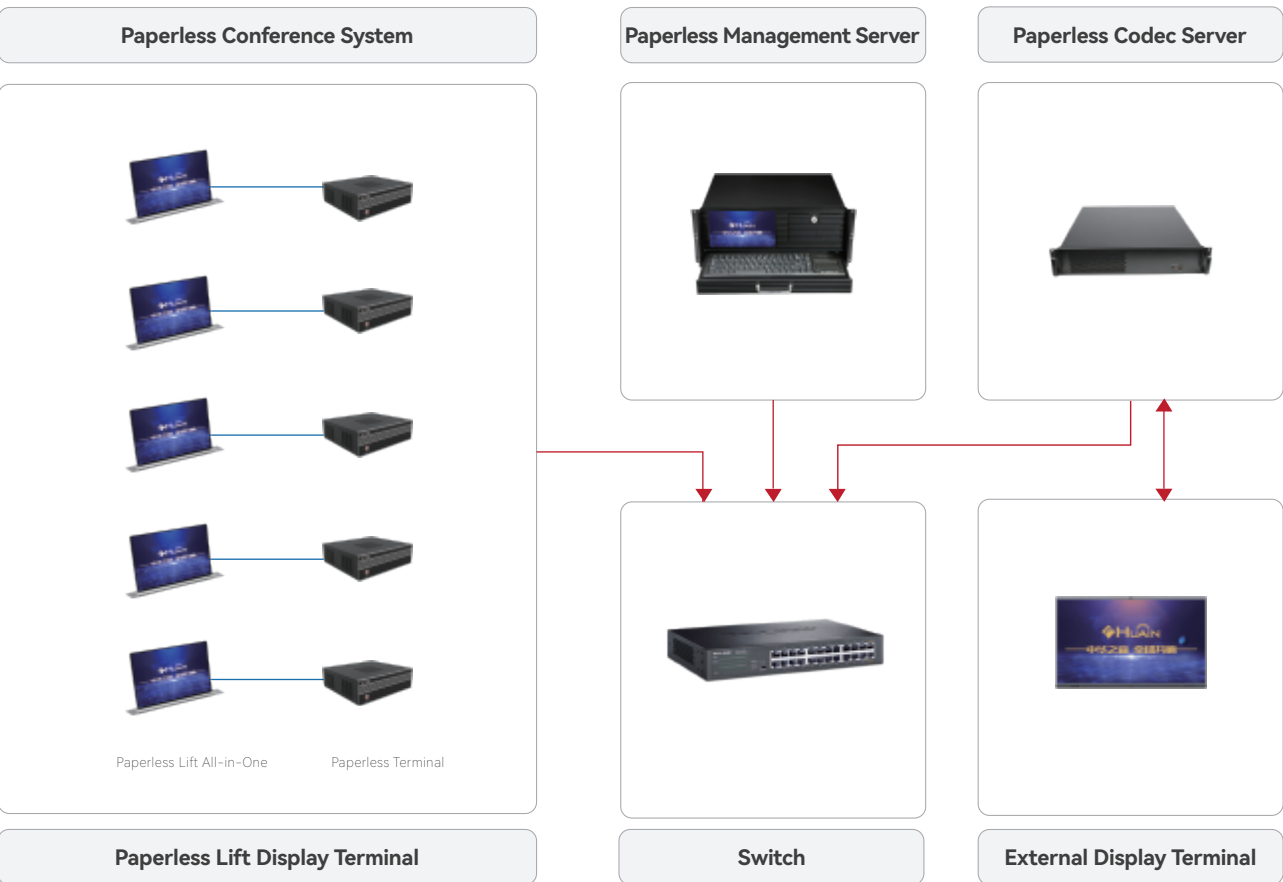
Parameter Details

Conformity	EC60065 International Standard
System Capacity	Single channel 30 units, expandable to 76,800 units
Display	128×32 LCD display
Operating Voltage	24V DC ±5%
Operating Current	60mA ±5%
Connection Method	Breakout box, T-header, ring hand puller
Connector	8Pin (RJ45 Optional)
Numbering Function	Customizable ID number
Unit power Consumption	1.5W
Color	Black, silver, gold
Weight	0.95Kg
Panel Size	155×70×3mm
Opening Size	132×60×132mm
Mounting Method	Embedded

Paperless Conference System

The paperless intelligent conference management system is mainly composed of 6 modules: conference management, equipment management, information management, template management, resource management, and user system. It supports custom creation of membership services before the meeting, opening multiple meetings at the same time, uploading and downloading meeting files, voting and signing in, microphone control, post-meeting data storage and many other functions. This system integrates all aspects and terminals to manage multiple meetings in real time and synchronously.

System Topology

Paperless Conference System — Paperless Management Server — Paperless Codec Server

Paperless Lift All-in-One   Paperless Terminal

Paperless Lift Display Terminal — Switch — External Display Terminal

Decentralized Paperless Lifter

HY-HL156 Series

① Decentralized design, without the need for a system server while enabling functions like one-click display.

② High-quality all-aluminum structure and CNC precision carving, embedded tempered glass, IPS full-view display.

③ Supports online setting of three role permissions of Chairman, Secretary, and Delegate, different permissions can be assigned according to different identities.
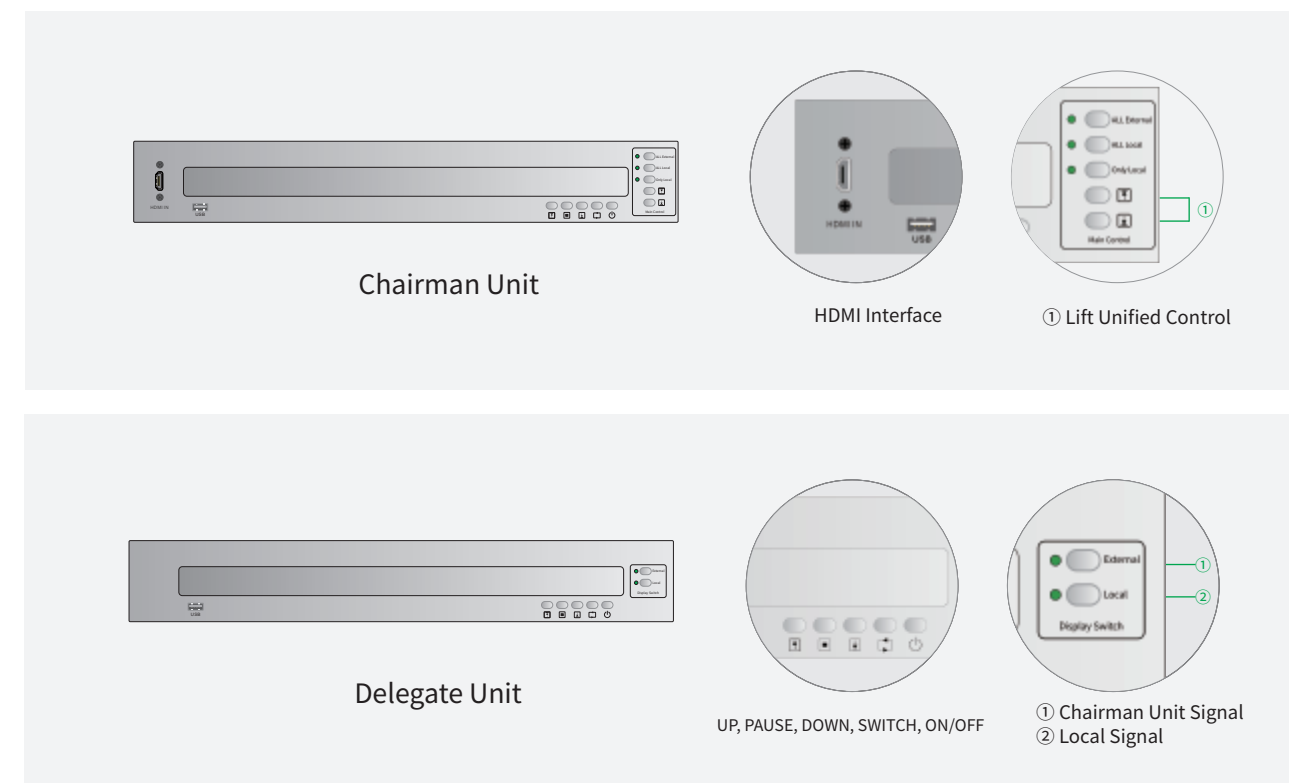
User Pain Points

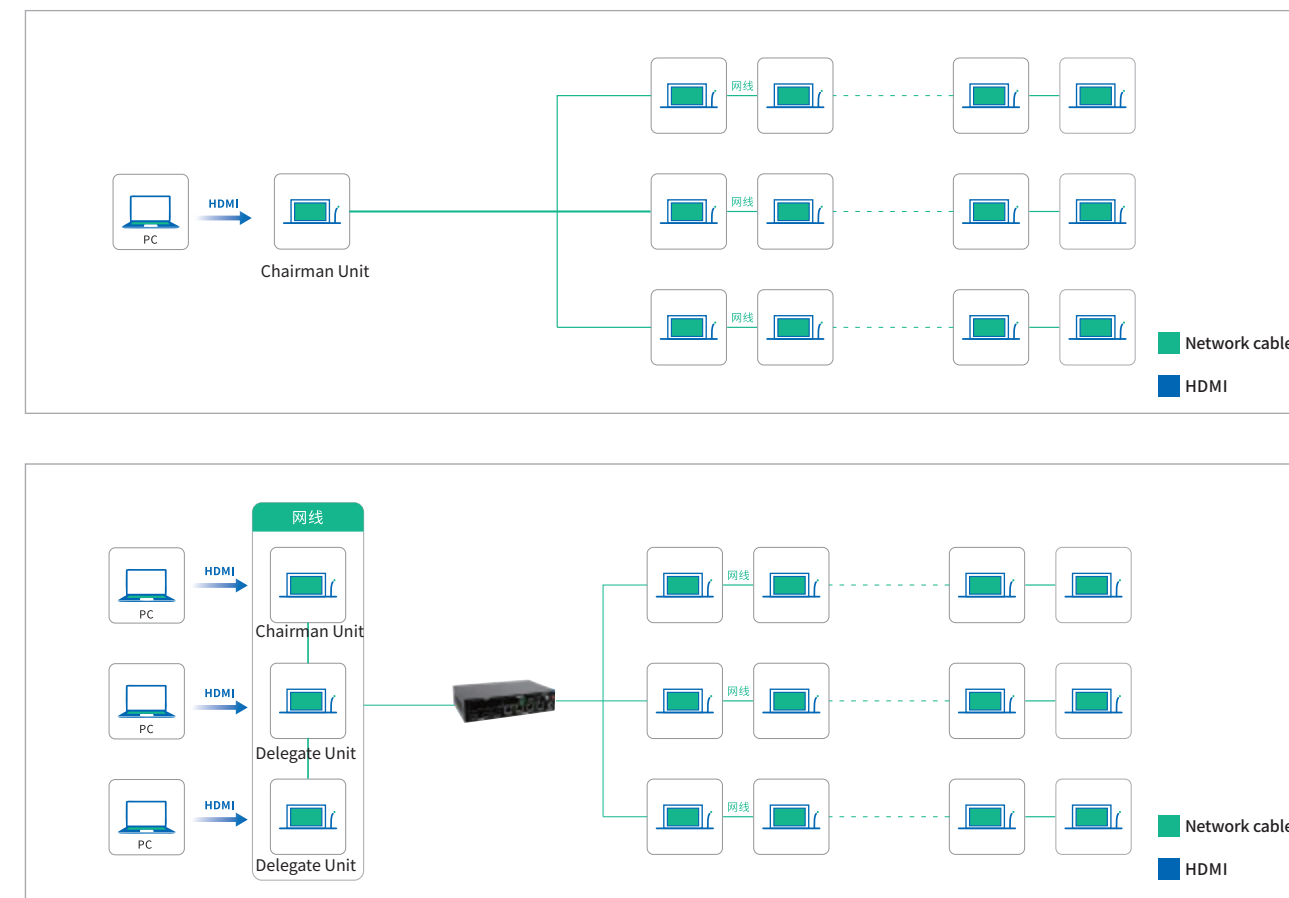|		
Many functions, little practicality	There are many supporting equipments	Complicated wiring
Prone to insensitivity and other factors	Domestic system, high price	Large-capacity files cannot be stably displayed on the same screen

Solution Advantages

One-click screen sharing
Maintain the most frequently used synchronized screen content; others are for display purposes only.

Cost saving
We are the only company in the industry with a paperless Chairman Lift Control and only retain the lift, increasing functional stability and greatly reducing system costs.

Unified wiring
Simple wiring, all monitors can be connected in series via network cables.

Chairman Control
A decentralized paperless system with only essential functions retained ensures security and peace of mind in use.

Improve efficiency
No matter the size of the file, it can be displayed simultaneously with zero delay or buffering, allowing for swift preparation before meetings.

Product Schematic

Chairman Unit

HDMI Interface   ① Lift Unified Control

Delegate Unit

UP, PAUSE, DOWN, SWITCH, ON/OFF   ① Chairman Unit Signal
② Local Signal

System Topology

PC   HDMI   Chairman Unit

网线

■ Network cable
■ HDMI

PC   HDMI   Chairman Unit
PC   HDMI   Delegate Unit
PC   HDMI   Delegate Unit

网线

■ Network cable
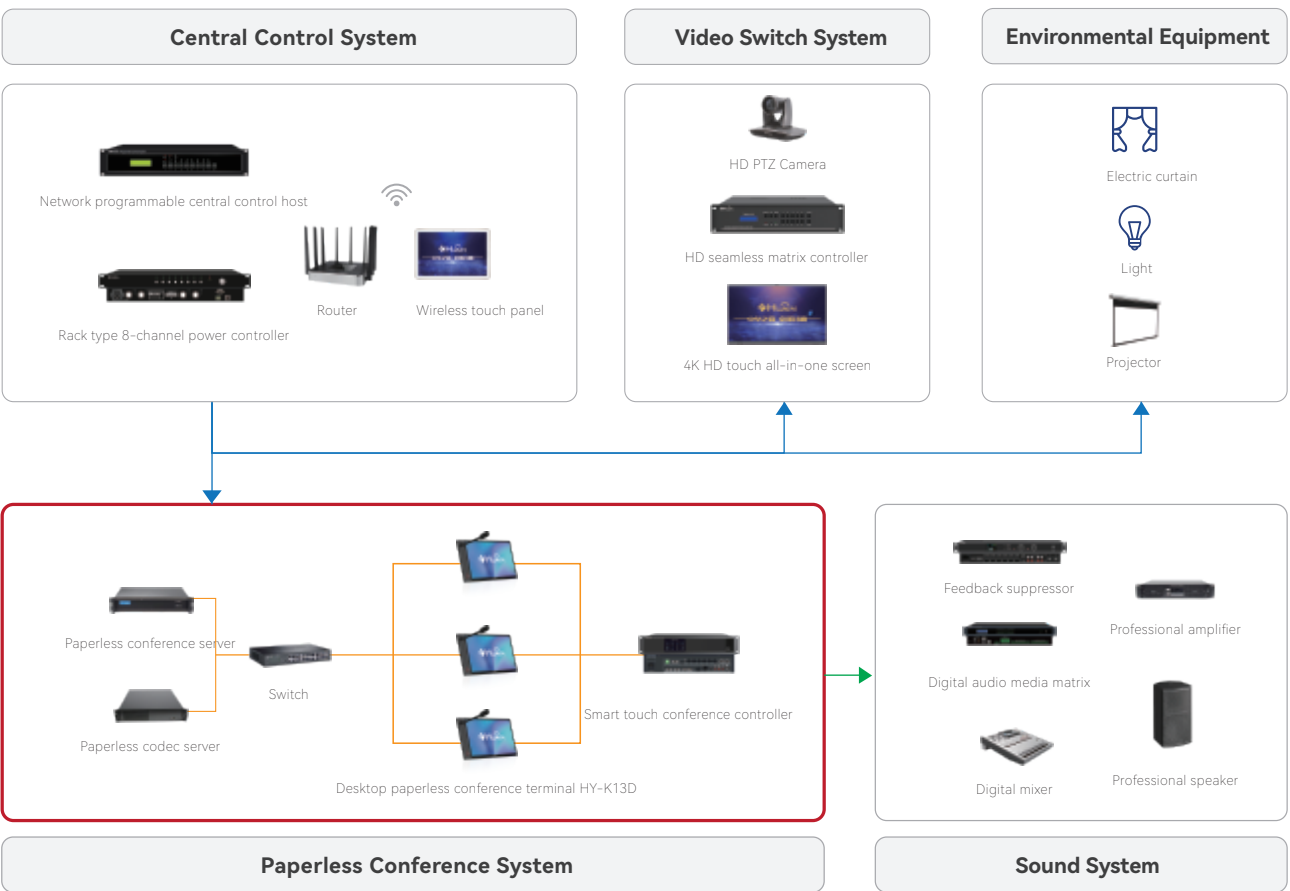■ HDMI

Desktop Paperless Conference Unit

HY-K13C/D Series

Features

· 13.3-inch HD capacitive touch screen, supports 1920×1080 resolution, built-in Android system
· Built-in 2W monitoring speaker, microphone automatically mutes to prevent feedback, ensuring clear sound quality.
· Unique acoustic chamber and pickup design, equipped with high-fidelity 9.7mm gold-plated condenser microphone.
· High-quality all-aluminum structure with CNC precision machining, the overall delicate, lightweight, beautiful, atmospheric

System Topology

| Central Control System | Video Switch System | Environmental Equipment |

Central Control System
- Network programmable central control host
- Rack type 8-channel power controller
- Router
- Wireless touch panel

Video Switch System
- HD PTZ Camera
- HD seamless matrix controller
- 4K HD touch all-in-one screen

Environmental Equipment
- Electric curtain
- Light
- Projector

Paperless Conference System
- Paperless conference server
- Paperless codec server
- Switch
- Smart touch conference controller
- Desktop paperless conference terminal HY-K13D

Sound System
- Feedback suppressor
- Professional amplifier
- Digital audio media matrix
- Digital mixer
- Professional speaker

| Paperless Conference System | Sound System |

Paperless Conference Server (HY-K30M)

Audio Features	
Operating System	Supports Windows, Linux, Kylin, etc.
Processor	i7 main frequency 3.6GHz/accelerated main frequency 4GHz, quad-core eight threads
Memory	16G
Hard Disk	256G SSD + 1TB enterprise-level hard disk capacity
Resolution	1920*1080
Screen	3.0" LCD screen
Size	483 × 90 × 350mm
Chassis Structure	Standard 19" rack-mounted, 2U standard
Power Requirements	AC100-240V/5A 50/60Hz

Paperless Codec Server (HY-K30S)

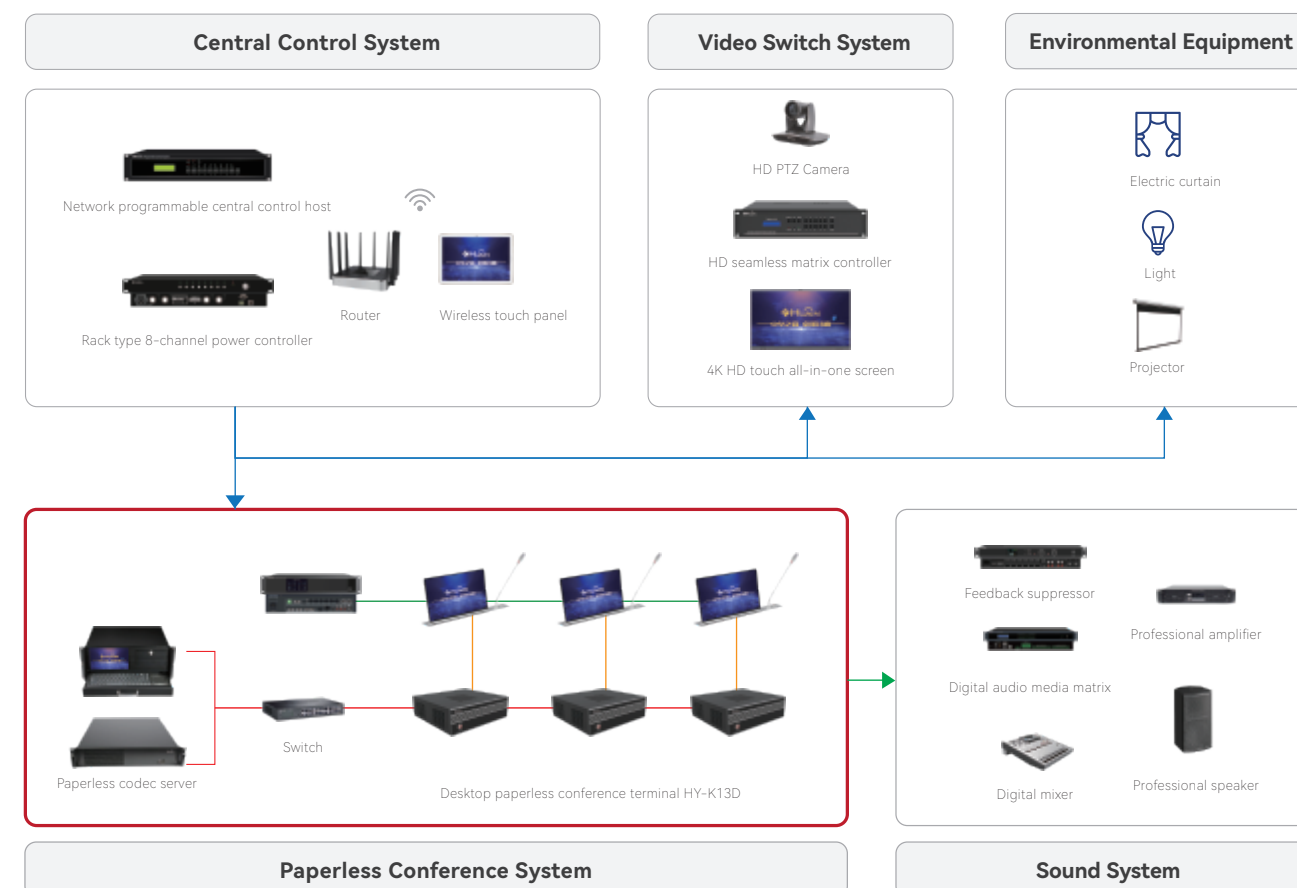| Audio Features	
Processor	Intel (R) Core i5 processor
Memory	4GB memory
Hard Disk	32G solid state drive capacity
Display Mode	First-in-first-out projection display
Projection Resolution	Adaptive
Video Input/Output Function	Synchronous and asynchronous processing
Video Output Interface	Support HDMI and VGA signals
Dimensions	482 x 89 x 450 mm
Power Requirements	AC100-240V/5A 50/60Hz

Paperless Lift All-in-One

HY-7100 Series and HY-7200 Series (With 11.6"Name Tag)

Features

· Optional 15.6"/17.3"/18.5"/21.5" HD touch screen, IPS full-view display
· Support 1920×1080 HD display, 10-point capacitive touch and backlight adjustment function
· The rear screen uses 11.6" HD display, 1280×800 resolution and IPS full-view display
· High-quality all-aluminum structure with CNC precision machining, the overall delicate, lightweight, beautiful, atmospheric
· The panel can be adjusted within a range of 120°, with independent control buttons for rising, pausing and falling, to adjust the best viewing and touch viewing angles
· Adopt automatic power supply and power-off mode, the screen automatically powers on after rising, and the screen automatically powers off after falling, saving energy and protecting the environment

System Topology

Central Control System	Video Switch System	Environmental Equipment
Network programmable central control host	HD PTZ Camera	Electric curtain
Rack type 8-channel power controller / Router / Wireless touch panel	HD seamless matrix controller	Light
	4K HD touch all-in-one screen	Projector

Paperless codec server / Switch / Desktop paperless conference terminal HY-K13D

Feedback suppressor / Professional amplifier / Digital audio media matrix / Digital mixer / Professional speaker

Paperless Conference System	Sound System

Paperless Conference Server (HY-BS30)

Product Specifications	
Operating System	Support windows, linux, kirin, etc.
Processor	Intel i5 Quad-Core Core™ 3.2GHz (Turbo 3.6GHz)
Memory	8G
Hard Disk	128G solid state + 1T mechanical
Screen	8.9 inch 1024*768 LCD
Accessories	with pull-out keyboard and touch mouse
Size	482 x 178 x 520 mm
Chassis	Standard 4U rack-mount
Power Supply	AC 220V

Paperless Codec Server (HY-ES30)

Product Specifications	
Processor	Intel i5 Quad-Core Core™ 3.2GHz (Turbo 3.6GHz)
Memory	4G
Hard Disk	64G SSD
Display Mode	First-in-First-out Projection Display
Projection Resolution	Adaptive
Video Input/Output Function	Synchronous and Asynchronous Processing
Video Output Connector	Supports HDMI and VGA signals
Size	482 x 89 x 450 mm
Power Requirements	AC100-240V/5A 50/60Hz

Paperless Conference Terminal (HY-PA30)

Product Specifications	
Running System	Support Windows, Android, Linux
Processor	Intel i7,3.6GHz,Accelerated 4GHz,Dual-Core
Memory	8G
Hard Disk	128G Solid State
Network Port	Gigabit Ethernet port,support Wake-on-Fail network
Power Supply	DC 12V8A
Full Load Power Consumption	35W
Size	218 x 200 x 65m

Digital Infrared Teaching Wireless Microphone

HY-IR500M Main Unit

Dual-channel IR transmission for two mics.DSP anti-feedback; auto-selects 2.06/2.56MHz to avoid interference.
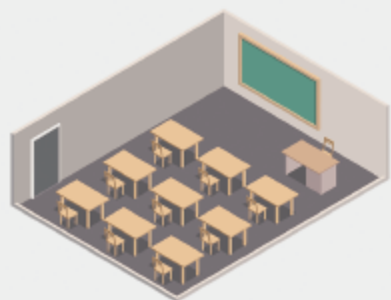
HY-IR500R Receiver

180° wide-angle reception; works under sunlight. Ceiling-mounted; supports two mic channels.

HY-IR700F Microphone

Directional mic with neck/handheld/pocket use. PPT/laser controls; 1800mAh battery (fast charge).

Classrooms

Anti-interference, multi-room operation.
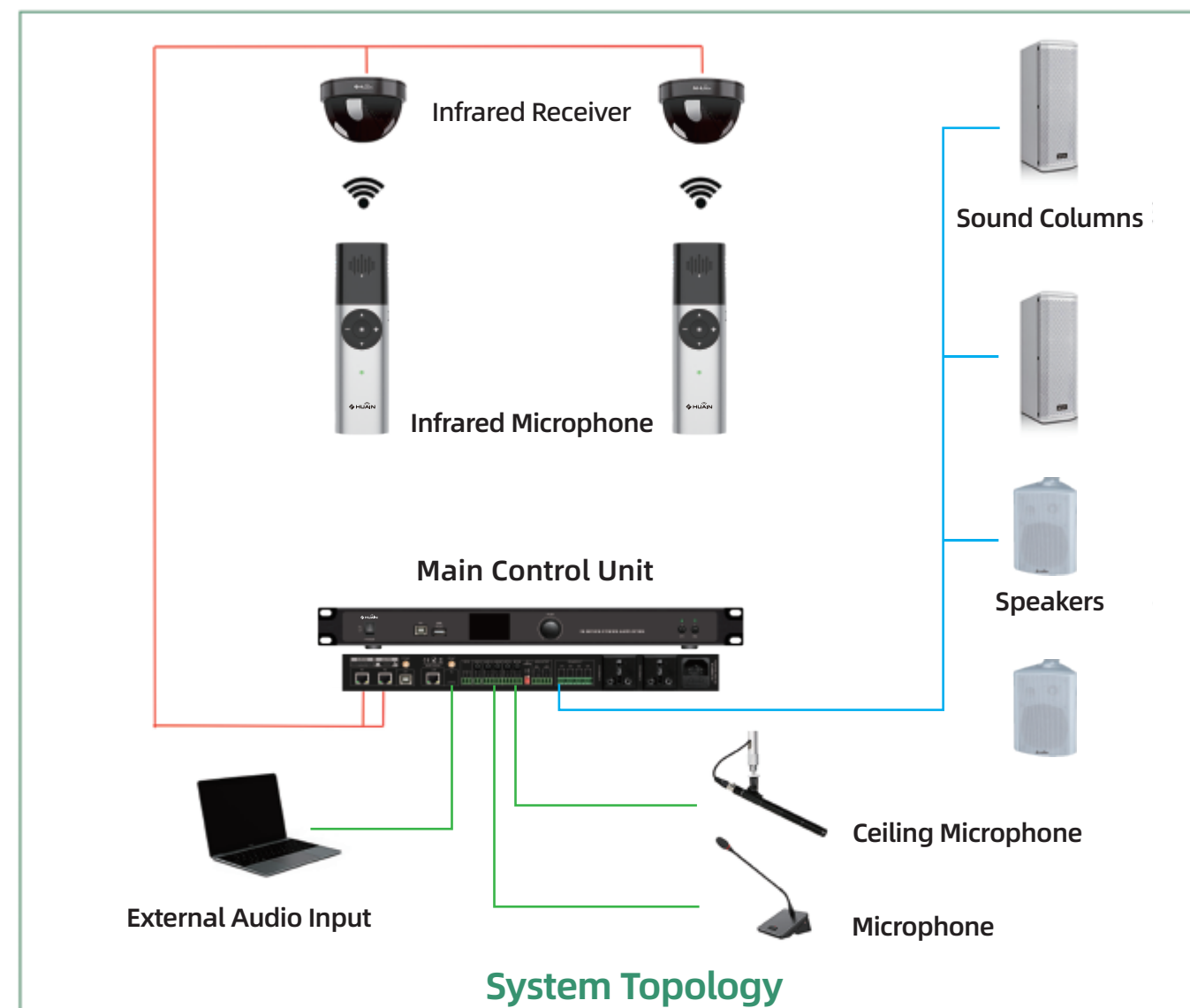
Meetings

Clear audio for seminars/confer-ences.

Lecture Halls

Even coverage for large events.

Complete Infrared PA Solution

Ideal for classrooms in primary, secondary, and higher education.

Infrared Receiver

Sound Columns

Infrared Microphone

Main Control Unit

Speakers

Ceiling Microphone

External Audio Input

Microphone

System Topology

⭘ Advantages

High-Fidelity Audio

Digital IR tech with noise reduction for clear,balanced sound.

Zero Interference

Auto-adaptive channels allow simultaneous use in adjacent rooms.

Remote Control

PPT page-turning+laserpointer wearable (neck/handheld).

Hygienic & Cost-Saving

Two mics per class; teacher-managed, low maintenance.

Built-in Amp & Recorder

USB recording; dual power options (2×150W or 4×75W).

Plug-and-Play

Wireless (handheld/neck) or wired (ceiling/desktop) options.