



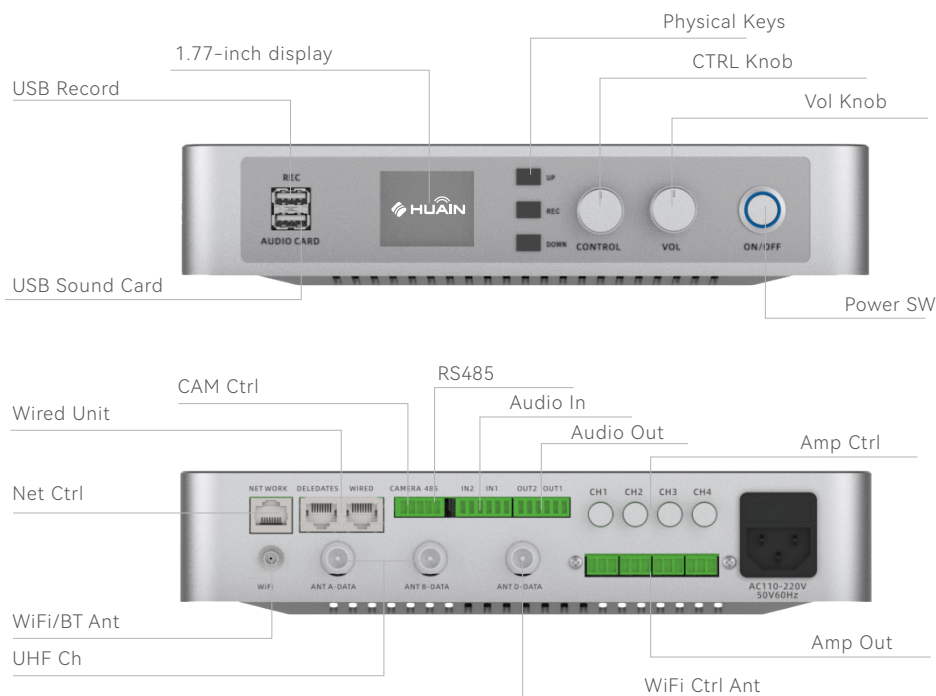
## Conference Integrated Conference System Controller

Highly Integrated All-in-One Device - Deploy Meetings with Just One Device

# Integrated Conference System Controller HY-ST5

The Integration Control Platform is a portable, multifunctional conference terminal that combines the functions of various devices such as a conference discussion system, audio processor, and power amplifier into a single unit. It features a compact and lightweight design for easy portability. Simply connect it to speakers to achieve full conference functionality.

Plug-and-play operation eliminates the need for complex debugging, making it widely suitable for conference rooms, multimedia classrooms, corporate training centers, and other scenarios. It supports temporary meetings and outdoor events, enabling quick setup of a conference system.



## Portable Design

- Lightweight and portable, suitable for various conference scenarios.
- Plug-and-play, no complex debugging required, quick deployment.

## Multifunctional Integration

- Integrates multiple functions such as conference discussion systems, audio processors, and power amplifiers into one device.
- Supports various audio input/output interfaces to meet diverse needs.

## High-Quality Audio

- Dual USB sound card interfaces support high-fidelity audio transmission for PCs.
- 48V phantom power supports direct wired microphone connections, ensuring high-quality audio capture.

## Hybrid Conference Design

- Supports mixed use of wired conference units, wireless conference units, and handheld microphones for flexible configurations.
- Compatible with units of different models and designs to meet personalized and diverse requirements.

## Professional Audio Processing

- 2-channel 3-pin Phoenix terminal analog audio output/input, supports 48V phantom power.
- 4-channel amplifier output (8Ω 100W x 4ch), supports independent volume adjustment.

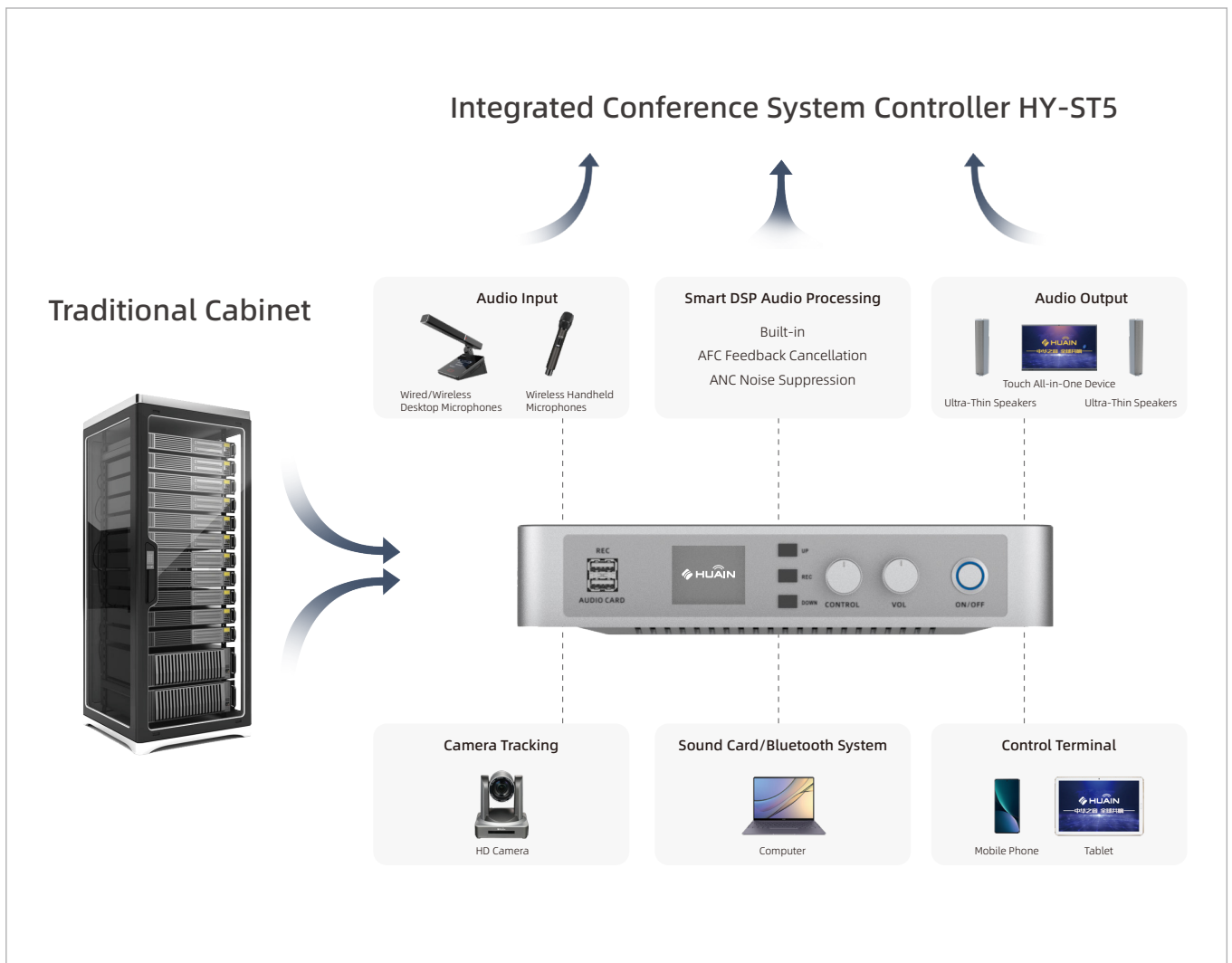
## Network and Wireless Connectivity

- Built-in network interface for remote control via computers, switches, and other network devices.
- WiFi/Bluetooth antenna interface supports remote control via mobile apps or computer software, as well as wireless audio transmission.

# Technical Specifications

Audio Features		Conference Module	
SNR	>90dB	Supports 4 units speaking simultaneously.	
Dynamic Range	>92dB	7 modes: FIFO, LIFO, Request to Speak, Queue to Speak, Free Mode, Chairman Mode, Voice-Activated Mode.	
Frequency Response	20Hz~20KHz ±0.2dB	Mobile app and computer software control.	
Phantom Power	48V	Built-in camera tracking.	
THD+N	≤ 0.05% @20-20KHz ,18dBu	Wireless Performance	
Sample Rate / Bit Depth	48k 24bit	Wireless Frequency Range: UHF: 630-689.875MHz; RF: 433MHz; WiFi.	
Max I/O Level	+18dBu, balanced	Wireless Security: AES (Advanced Encryption Standard), FHSS (Frequency Hopping Spread Spectrum) technology.	
Input Imp. (Bal.)	200Ω	Physical Module	
Output Imp. (Bal.)	100Ω	Dimensions	270*270*55mm
Amplifier Module	8Ω 100Wx4ch	Weight	3kg

# System Topology Diagram



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The pictures and parameters involved in this manual are for reference only. If there is any change, no further notice will be given.