

HY-8650C

Digital Touch Chairman Conference Microphone

Description

- Adopts high-performance FPGA, dual-MCU processors, large-capacity FLASH and DDR memory to realize full-digital signal transmission and processing, compliant with IEC60065 international standard.
- Equipped with electret super cardioid microphone with voice activation function, effective pickup distance up to 50cm to guarantee stable pickup range and clear sound quality.
- Detachable threaded gooseneck design for convenient transportation, storage, installation and maintenance during recess.
- Adopts professional FTC334C capacitive touch sensing IC, matched with Mohs hardness grade 6 touch glass panel. Virtual touch buttons produce no mechanical click noise and deliver long service life.
- Nano fingerprint isolation & oleophobic coating effectively repels water, oil and stains for anti-fingerprint and sweat-proof performance.
- 5-inch full-lamination HD touch screen, multi-language menu support: Simplified Chinese, Traditional Chinese, English, Russian, French, Spanish; adjustable screen brightness via progress bar.
- Screen displayable contents: company logo, attendee information, speaking timer, service requests, short messages, firmware version, speaker list, perpetual calendar, check-in and voting data.
- Built-in speaking timer with real-time duration display and configurable countdown limit for speech.
- Lossless high-fidelity audio transmission with optional 32kHz / 48kHz sampling rates, sensitive pickup and clear voice; frequency response 20Hz–20kHz.
- Supports daisy-chain loop wiring with professional CAT5 shielded cable (full aluminum foil + drain wire shielding) to eliminate electromagnetic interference.
- Seven optional conference modes: FIFO, LIFO, request-to-speak, queue speaking, free mode, chairman mode, voice-activated mode.
- Simultaneous speaking quantity adjustable from 1 to 32 units; chairman and VIP units have unlimited speaking rights all microphones can be activated under free discussion mode.
- After a microphone is activated, the speaker list displays all active microphones and corresponding attendee information to realize efficient conference interaction and collaboration.
- Upgradable central control function: one-click mute for all microphones; control peripheral venue devices (lighting, power, projection screens) and one-touch recall of preset conference modes.

Specifications

Mechanical	
Microphone Capsule	9.7mm gold-plated capsule
Polar Pattern	Super cardioid electret
Display	5-inch LCD touch screen
Frequency Response	20Hz~20kHz
SNR	> 90dB
Dynamic Range	96dB
THD	< 0.05%
Microphone Sensitivity	-37dB±2dB
Max SPL	125dB
Equivalent Noise Level	20dBA SPL
Connection Topology	Looped daisy-chain
Cable Interface	RJ45 Ethernet
Headphone Output	2×Φ3.5mm stereo jack
Gooseneck Length	390mm
Base Dimensions (without gooseneck)	120×155×48mm

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