

HY-5830C

2.4G Wireless Chairman Conference Microphone

Description

- Uses advanced and stable "IRIN" chip, DSP/DDOV digital conference technology to achieve digital signal transmission and processing
- Features wireless charging function, completely solving the problems of charging cable constraints and insufficient power during long meetings
- During wireless charging, it has automatic protection functions for temperature, overvoltage, magnetic field, short circuit, overcharge, and overcurrent
- High sensitivity design with built-in automatic gain control (AGC) function, effective pickup distance up to 50-60cm
- Uses FTC334C professional capacitive touch key processing chip, virtual touch keys with no mechanical key sound when switching on/off, ensuring long service life
- Desktop streamlined design, embedded with steel mesh, glass or acrylic, and metal lines, presenting a modern technological feel
- Equipped with a 2" high-brightness LCD display and a 6" large capacitive touch panel, supporting display of power, signal, ID address, speaking timer, and other information
- Features speaking timer function with dynamic display of speaking time, supports 48KHz audio sampling frequency, frequency response up to 20Hz-20KHz
- Uses 2.4G full digital frequency hopping (DSSS) modulation communication technology in the ISM band, exchanging voice data via wireless transceiver, ensuring audio delay less than 5.5ms
- Employs 128-bit AES Rijndael and 48-bit PIN code encryption protection to prevent eavesdropping and unauthorized access, ensuring meeting privacy
- Automatically identifies interference source frequencies across the full frequency range, with automatic silent switching to interference-free frequency ranges to guarantee real-time normal communicate
- When paired with HD cameras, supports automatic speaker tracking and automatic video switching, supports freeze frame function, and multi-camera tracking of the same conference unit
- The system has four working modes with customizable speaking unit numbers (can be set to 1/2/3/4): * FIFO mode: when the limit is reached, newly activated units will override the earliest activated
- Wireless conference units have independent power switch buttons to effectively prevent power leakage, conforming to user-friendly design
- Low power consumption design with built-in 3000mA/H rechargeable battery, featuring dynamic power display and low power reminder, supporting 10 hours of continuous standby

Specifications

Mechanical	
Operating frequency	2.4G-2.5G
Microphone capsule type	9.7mm capacitive microphone capsule
Polar pattern	cardioid
Display	2" LCD display
Frequency response	20Hz~20KHz
Signal-to-noise ratio	>90dB
Dynamic range	96dB
Total harmonic distortion	<0.05%
Microphone sensitivity	-37dB±2dB
Lithium battery capacity	3000mA
Equivalent noise	18dBA (SPL)
Maximum sound pressure level	125dB (THD<3%)
Microphone rod length	390mm
Base dimensions	116×125×52mm

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