

## **HM-5U Product Specification**



Series: Conference Microphone

Product model: HM-5U

Date: July, 2024

## 1. Product features

- Up to 8 microphones can be cascaded via type-c cable, good choice for large, medium and small conference rooms;
- 8-array mic, high sensitivity, high signal-to-noise ratio MEMS microphone monomer for better remote sound pickup;
- AI noise reduction, AI echo cancellation, AI AGC, super noise reduction and dual speaking ability;
- High sampling rate for microphone and 32 kHz sampling rate for AI mode;
- High power and high dynamic speaker unit bring larger scenes more shocking sound;
- Technological appearance, integrated with corporate conference rooms, creating a combination of quality and art;
- Can be connected to a computer or an interactive smart panel via wireless dongle.

## 2. Main specification parameters

Pickup parameters	
Pickup distance	8 m radius
Microphone type	8-Array omnidirectional
frequency response	100 Hz to 16 kHz (high sampling rate of 32 kHz)
Signal-to-noise ratio (MEMS monomer)	65 dBA
Sensitivity (MEMS monomer)	-26 dBFS
Amplification parameters	
Soundtrack	1.0
Power	1×5W Max
Impedance	4ohm
Maximum sound pressure level	82dBSPL @ 1 m, PN, maximum power
Distortion	≦1%@1W, 1kHz
Noise-signal ratio	75dB
Frequency response	120Hz~18 kHz
I/O interface	
Cascade IN	Type-C
Cascade OUT	Type-C
Connect host interface	Type-C (Common one interface with Cascade IN)
DC IN	DC2.0
Button	5 (microphone, volume +, volume-, answer / hang up, Bluetooth)
Indicator light	Support (power / volume / microphone / call, etc.)
Power	
Power supply mode	Adapter
Service voltage	15V
Supply current	2.4 A

Bluetooth parameters	
Number of bluetooth	One
Edition	BT5.3+BLE
Service frequency	2.4 GHz
Operating distance	10m
USB Bluetooth dongle	Support audio playback, HD audio input, support Windows
Wireless dongle	
Wireless frequency	2.4 GHz
Protocol	Privately-owned
Transfer audio bandwidth	Bidirectional at 32KHz
Operating distance	10m
Function	Support audio playback, HD audio input, compatible Windows
Size and weight	
Overall size (diameter and height)	142 mmx142 mm×63 mm
Packaging dimensions (length, thickness and height)	304 mm×195 mm×80 mm
Net weight	480 g
Gross weight	1020 g
Environmental factor	
Working temperature	0°C~40°C
Working humidity	10%~90%RH
Service temperature	-20°C~60°C
Operation humidity	10%~90%RH
Altitude	Below 5,000 m

Packaging contents (host)	
Microphone	×1
USB Type-C cable (connected to the PC host)	×1 (with USB Type-A to Type-C adapter, 1.5m)
USB Wireless Dongle	×1 (2.4G Private protocol)
Power adapter	×1 (15V/2.4A National standard)
User manual	×1
Packaging contents (ancillary)	
Microphone	×1
USB Type-C cable (for cascade)	×1 (full pin, customized non-standard, 3m)
User manual	×1

