

MICROPHONE

Cascading Omnidirectional Digital Array Microphone

RM702A



Omnidirectional Pickup



PoE-powered



Up to six mic cascaded



Noise Reduction



Infrared remote control

Designed for business meetings, interactive teaching, and other scenarios, the digital array microphone can be cascaded to expand the microphone according to the size of the space, ensuring that the pickup range covers the entire space; equipped with an audio processing unit and AI audio algorithms, eliminating all kinds of noise, echo and howling in the conference room, delivering a high-quality voice call experience.



FEATURES

▼ DIGITAL MICROPHONE ARRAY

It features a high signal-to-noise ratio ring-shaped microphone array design, achieving 360° omnidirectional audio pickup. This allows speakers to freely move within a larger range in the room, freeing them from constraints.

▼ PoE CASCADE PICKUP

Each individual microphone has an effective pickup distance of 3m and up to 6 microphones can be cascaded using Power over Ethernet (PoE), enabling distributed audio pickup and uniform coverage in medium to large conference rooms.

▼ LOW-LATENCY AUDIO TRANSMISSION

It has a powerful built-in audio processing unit, eliminating the need for an external audio processor. It offers ultra-low signal transmission latency, ensuring seamless and delay-free remote communication.

▼ MULTIPLE INTERFACE OUTPUTS

It is equipped with standard USB 2.0 and auxiliary audio interfaces, supporting plug-and-play functionality for both digital and analog audio applications.

▼ SOUND SOURCE LOCALIZATION TECHNOLOGY

It utilizes blind beamforming technology to automatically locate the sound source and capture it accurately. It adapts to the acoustic environment and achieves voice enhancement, providing better anti-interference capabilities.

▼ AI AUDIO ALGORITHMS

It incorporates various AI algorithm technologies such as intelligent tracking, intelligent noise reduction, echo cancellation, automatic gain control and reverberation removal. Even in noisy environments, clear audio can be easily achieved.

SPECIFICATIONS

▼ MICROPHONE SPECIFICATION

| | |
|--------------------|---|
| Microphone Array | Built-in 6 high signal-to-noise ratio digital microphones |
| SNR | 65 dB(A) |
| Sensitivity | -38 dBFS |
| Sampling Rate | 32K |
| Number of Cascades | 6 |

▼ AUDIO ALGORITHMS

| | |
|-------------------|---------|
| Echo Cancellation | Support |
| Noise Suppression | Support |
| Gain Control | Support |

▼ INTERFACE TYPE

| | |
|------------------------|--|
| Network Interface | RJ45 uplink and downlink cascade ports |
| USB | USB Audio interface (Type-C), UAC1.0 agreement |
| Analog Audio Interface | AUX1, AUX2 |

▼ MICROPHONE TYPE

| | |
|-----------------|---|
| Microphone Type | Omnidirectional Microphone |
| USB | 360° omnidirectional pickup |
| Pickup Distance | 3 meters clear pickup, 6 meters effective pickup |

▼ CASCADE METHOD

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|----------------|-----|
| Cascade Method | PoE |
|----------------|-----|

▼ GENERAL SPECIFICATION

| | |
|---------------------|---|
| Power Supply Method | PoE cascade, 48V power supply, support IEEE 802.3 at / USB 5V 500mA |
| Support System | Windows / Mac / Linux |
| Installation Mode | Desktop placement |
| Dimension | Φ170mm × H40mm |
| Weight | 370g |

INTERFACE

- 1 — UP
- 2 — USB
- 3 — Aecref
- 4 — Down
- 5 — Aecout
- 6 — Spkout

