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.

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

▼ GENERAL SPECIFICATION

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

▼ CASCADE METHOD

Cascade Method	PoE

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.

INTERFACE

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