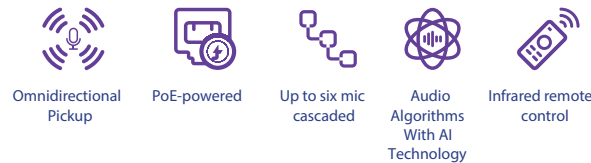




Cascading Omnidirectional Digital Array Microphone

Michain (RM702)



RM702 is a digital array microphone designed specifically for corporate business conference communication. It can be flexibly cascaded and expanded according to the conference room space, covering the entire room for audio pickup. Equipped with an audio processing unit and AI audio algorithm capabilities, it effectively eliminates various noises, echoes, feedback and howling in the conference room, providing a high-quality voice communication experience.

ROCWARE®



RM702A



RM702C

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 CASCADING 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.

▼ FLEXIBLE INSTALLATION OPTIONS

It supports various installation methods such as desktop placement, ceiling mounting, and suspension. This allows for flexible and quick deployment, reducing maintenance costs.

▼ 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

▼ BASIC PARAMETER

Microphone Type	Omnidirectional microphone
Microphone Array	Built-in six high signal-to-noise ratio mic form a circular array, 360° Omnidirectional sound pickup
Sensitivity	-38 dBFS
Signal-to-noise Ratio	65 dB(A)
Frequency Response	50Hz - 16kHz
Sampling Rate	Clear pickup from 3m
Echo Cancellation	Support
Noise Suppression	Support
Automaticgain Control	Support

▼ CASCADING FUNCTION

Cascading Mode	PoE
Cascade Quantity	Six sets

▼ HARDWARE INTERFACE

Network Interface	RJ45 upstream and downstream network ports
USB	USB Audio interface (Type-C), UAC1.0 agreement
Analog Audio Interface	AUX1, AUX2

▼ GENERAL SPECIFICATION

Power Supply Mode	PoE cascade, 48V power supply, support IEEE 802.3 at / USB 5V 500mA
Support System	Windows / Mac / Linux
Installation Mode	Desktop placement, Suspension mounting
Dimension	170mm (W) × 40mm (H)
Weight	370g



INTERFACE

- 1 — Up
- 2 — USB Interface
- 3 — M / S
- 4 — Down Interface
- 5 — Aux2
- 6 — Aux1

