



RGB LOGIC AV



RGB702A AI-Enhanced Conference Array Microphone

RGB702A Cascade Microphone is a USB microphone that supports POE Cascade, enabling a very flexible setting for the huddle and middle conference room. Since each RGB702A is built with an inside mic array and supports blind beamforming, with the cascade array, they are specifically designed to pick the accurate human voices at a long distance and reduce the environmental noises automatically



Cascading Omnidirectional Digital Array Microphone

RGB702 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.

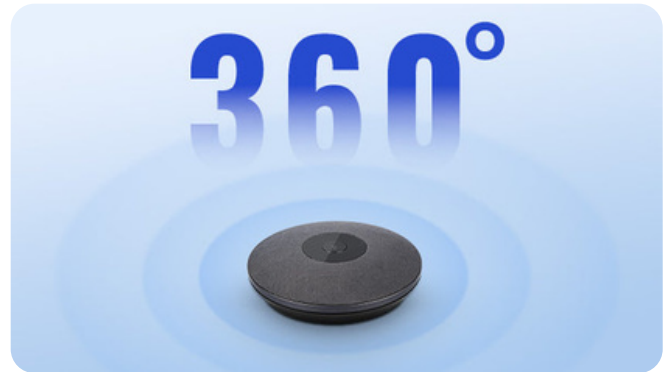
POE CASCADING PICKUP

Each individual microphone has an effective pickup distance of 3 meters, 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.



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. Power over Ethernet (PoE), enabling distributed audio pickup and uniform coverage in medium to large conference rooms



AI AUDIO ALGORITHMS

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.



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.

Key Specifications

- Microphone Type : Omnidirectional Microphone
- Microphone Array : Built-in 6 high SNR microphones form a ring array, 360° omnidirectional pickup
- Sensitivity : -38 dBFS
- SNR : 65 dB(A)
- Frequency response : 50Hz - 16kHz
- Sampling Rate : 32K sampling, HD broadband audio
- Pickup distance : 3 meters pickup
- Noise suppression : Support
- Gain control : Support
- Echo cancellation : Support
- Cascade Mode : POE network cable
- Number of cascades : 6
- Power supply mode : POE cascade 48V power supply, support IEEE 802.3 at standard / USB 5V 500mA (single unit)
- Support system : Windows / Mac / Linux
- Size : Φ 170 mm * H 40 mm
- Weight : 370 g
- Network port : RJ45 network port
- USB interface : USB audio interface (Type-C), UAC1.0 protocol, audio datacommunication, software upgrade and parameter configuration
- Analog audio : AUX1, AUX2 linear audio input and output



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