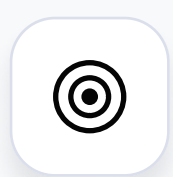




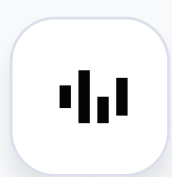
High-end Ceiling Microphone MC04 (Educational)



Compact Podium
Coverage



24-Element
MEMS Array



ClearSpeakAI
Audio Algorithm



Pure Analog
Interfaces



Flexible
Expansion



Multi-Scenario
Teaching Support

The AIMIC-MC04 is a premium ceiling array microphone engineered by AISpeech specifically for standard classroom environments. It features precise pickup zone configuration, enabling highly refined audio capture over the podium area. Equipped with an analog audio interface, the MC04 seamlessly integrates into legacy analog audio systems for effortless deployment. A single MC04 unit effectively covers the core podium zone, focusing on local sound reinforcement and lecture recording. Powered by proprietary AI algorithms, it delivers HD noise reduction, reverberation suppression, acoustic feedback cancellation (AFC), and automatic gain control (AGC) to significantly elevate instructional audio quality at a highly competitive cost. Supporting versatile mounting options and PoE+ power supply, the MC04 is an ideal choice for cost-effective educational audio upgrades.

Main Characteristics



Precise Coverage for Compact Podiums; Cost-Effective Local Sound Reinforcement

2-meter precise sound reinforcement radius for small classroom podiums; clearly captures the instructor at the lectern, blackboard, or within a defined area while reducing vocal fatigue.



24-Element Array, Preserving Core Voice Details

Scientifically arranged 24-element omnidirectional MEMS microphone array delivers precise acoustic coverage over the core podium area and preserves full, natural human vocals.



ClearSpeakAI Algorithm Optimized for Educational Environments

Suppresses chalk writing, page-turning, and ceiling-fan noise while providing dereverberation, Acoustic Feedback Cancellation (AFC), and Automatic Gain Control (AGC).



Pure Analog Interfaces for Simple Legacy Audio Integration

4-in/2-out Euroblock (Phoenix terminal) analog interface connects directly to legacy amplifiers, mixers, and speakers without changing existing wiring infrastructure.



Flexible Deployment & Seamless Expansion

Supports 802.3at PoE+ single-cable deployment, multiple suspension methods including pendant pole and steel wire suspension, and cascading up to two units for wider podium areas.



Adaptable Teaching Scenario Support

Supports flexible teaching scenarios by delivering the instructor’s voice to in-room amplification systems, remote participants, and recording systems.

Product Specifications

Basic Specifications		Audio Performance	
Product Color:	Elegant White	Configurable Pickup Zones:	Supported
Product Size:	270mm×270mm×54.75mm	Sound Reinforcement Pickup Radius:	2m (Recommended)
Product Net Weight:	<2KG	Remote Call Pickup Radius:	3.5m (Recommended)
Power Supply Mode:	PoE+ Powered	Sampling Rate:	48kHz
Installation:	Ceiling Suspension/Pendant Mount	Maximum Background Noise Rejection:	35dB
Microphone Specification		AI Noise Reduction:	Supported
Microphone Type:	24-Element MEMS Microphone Array	AI Reverberation Suppression:	Supported
Microphone Sensitivity:	-38dBv / 94dB SPL @1KHz	AI Feedback Cancellation:	Supported
Microphone Frequency Response:	20 Hz ~20,000 Hz	Acoustic Echo Cancellation:	Supported
Dynamic Range:	84dB (A)	Smart Mixing:	Supported
Maximum SPL:	104dB SPL	Audio Channels	
Signal-to-Noise Ratio:	73.9dBA	Remote Conference Channel:	1
Device Sensitivity:	-10.22dBFS/Pa	Local Sound Reinforcement Channel:	1
Device Frequency Response:	100 Hz to 15,000 Hz	Other	
Ports		Operating Temperature:	0°C~40°C
Network Port:	1 × 10/100/1000M RJ-45 PoE	Storage Temperature:	-20°C~+70°C
Phoenix Terminal Inputs:	4	Operating/Storage Humidity:	20%~95% RH
Phoenix Terminal Outputs:	2	Whole Power Consumption:	12W
RESET Button:	1		
Cascading Capacity			
Maximum Cascade Limit:	2 units		