

CM-73A Ceiling Microphone



Equipped with 73 high-sensitivity MEMS microphones, providing 360° omnidirectional coverage and an ultra-wide pickup range. It supports 19 independent beams each for voice pickup and sound reinforcement, ensuring precise coverage of all speaking areas throughout the venue.

18dB gain boost for seamless sound reinforcement, enabling truly unrestricted speaking—no need for handheld or lavalier microphones. Speak clearly without feedback whether standing, sitting, or moving around.

Supports the daisy-chain connection of up to four ceiling microphones, making it ideal for large spaces such as conference rooms and lecture halls.

Equipped with the low-latency ClearVoice AI algorithm, it automatically suppresses distractions such as keyboard clicks, air conditioner noise, and ambient background noise; it supports dynamic beamforming, intelligently dividing the audio pickup area during discussions and automatically tracking the speaker during presentations.

Features one built-in Gigabit Ethernet port, simplifying system cabling and facilitating deployment; its modular design supports both recessed and surface-mounted installation, allowing it to be concealed within the ceiling for a blend of aesthetics and functionality.

Features professional algorithms such as AEC (Echo Cancellation), ANS (Noise Suppression), AGC (Automatic Gain Control), AFC (Feedback Suppression), and ARR (Reverberation Suppression), making remote conference audio sound as natural and lifelike as face-to-face conversation.

Technical Specifications

Function Modules	Features	Specifications
Microphone Specifications	Pickup distance	Clear audio pickup up to 8 meters
	Microphone Array Directivity	Omnidirectional pickup pattern
	Microphone Quantity	73
	Sensitivity	-8.38dBFS/Pa
	Frequency response	75-20KHz
	Signal-to-noise ratio	≥ 73dB
	Distortion	≤ 0.1%
Hardware Specifications	RJ45	Connect to a dedicated audio processor
	Mounting interface for	M5 threaded hole
	bracket lifting eyes	Category 5e or higher shielded
	Cable Requirements	twisted-pair cable
	Power Supply Method	RJ45(PoE)
Other specifications	Operating voltage	DC12-48V
	Dimensions (L x W x H)	595x595x43.8 mm
	Net weight	4420g
	Color	White

Environmental Factors

Operating temperature	-10°C ~ 50°C
Storage temperature	-20°C ~ 70 °C
Operating humidity	10% ~ 90%RH
Storage humidity	10% ~ 90%RH

Disclaimer:
Actual product dimensions and weight may vary due to product configuration and manufacturing processes. Please refer to the actual product for details. The product images in this specification are for illustrative purposes only. The actual product (including but not limited to its appearance, color, and dimensions) may differ slightly. Please refer to the actual product for details. In order to provide the most accurate specifications possible, the text, images, and other content in this specification sheet are subject to real-time adjustments and revisions to ensure they align with the actual product performance and specifications. We reserve the right to make such modifications and adjustments without prior notice.