



CleverMic M230 Ceiling Microphone

Omnidirectional, full function.

With 360° pickup range, star microphone array, wide-range frequency response, supports dual mode (digital, analog) output.

-Intelligent voice tracking

Auto focus on the current speaker without human intervention, clear voice, low noise.

-Large pickup area

Pickup covers an area of 60 square meters, three times bigger than similar products.

-Beautiful and high efficient

Electronic devices can be hidden in the ceiling, far away from the floor and desktop, more simple, beautiful and efficient.

-Perfect voice quality

Depend ceiling mount, optimize the audio acquisition, real voice to show.

Application characteristics
· Installation is simple and flexible
· Concealed design
· Built-in three microphone components to support 360-degree pickup
Characteristics and advantages
· Support for stereo audio
· Support for digital, analog dual-mode
· Supports multiple microphone arrays
· 60 square feet of free to deal with the room, three times larger than similar one-way products
· Electronic equipment is hidden in the ceiling, away from the floor and the desktop, so that the room is more flexible
· Directly connected to the interactive teaching system
Audio function
· Dynamic microphone orientation recognition
· Full-duplex digital audio

- Instant adaptation to echo cancellation
- Automatic Noise Suppression (ANS)
- Automatic Gain Control (AGC)
- 360-degree suspension of the microphone array pickup, without physical intervention can focus on the current speaker, so as to bring a better cloud classroom audio experience.

Transducer Principle	Back Electret Condenser
Directivity Characteristic	360°
Pickup Distance	radius: 6m
Frequency Response	40Hz ~ 20KHz
Sensitivity	-38dB ± 2dB (0dB = 1V / Pa at 1KHz)
Output Impedance	500Ω ± 30% (at 1kHz)
Equivalent Noise Level	≤13dB A (IEC 581-5)
Max. Input SPL	132dB (THD ≤ 1.0% at 1kHz)
Max Cascade Number on Single Group	4
AEC	Support
AGC	Support
ANS	Support
Analog Audio Output	Support
Digital Audio Output	Support
Input/Output Interface	
Micphone Interface	6 pin XLR jack, for spicial micphone
System Lamp	Red light: system initializing Green light: clock synchronizing Green flash: working
Uplink Digital Interface	RJ45: for power input, audio transfer
Downlink Digital Interface	RJ45: for power supply, audio transfer
Analog Interface	RJ45: connect front special box (DAB10), for power input, audio transfer
Dip switch	SW1: M: Master mode, S: Slave mode SW2: D: Digital mode, A: Analog mode

Generic Specification	
Input Voltage	PoE 48V
Current Consumption	TBD
Operating Temperature	-5°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Power Consumption	TBD
Dimensions	127mm x 110mm x 33mm
Weight	TBD