

MAXHUB Capture System

Ceiling Microphone

Model: CM30

The CM30 Ceiling Microphone is specifically designed to enhance audio capture in educational environments, ensuring that every word spoken in the classroom is heard clearly. Perfect for modern classrooms, lecture theatres, and educational facilities, the CM30 offers superior sound quality and intelligent audio processing to create an optimal learning experience.



Advanced 8-Microphone Array

Utilizes an 8-element circular array design, integrated with ANS (Automatic Noise Suppression), AEC (Acoustic Echo Cancellation), and AGC (Automatic Gain Control) algorithms for crystal-clear audio capture.



Digital Audio Transmission

Supports digital audio transmission technology to eliminate line interference, ensuring high-fidelity sound through digital signal transfer.



Effortless Cascading

Easily connect multiple CM30 microphones via Cat5e cables for comprehensive coverage in larger classrooms or lecture halls.



Convenient Upgrading

Firmware updates are simple via the USB Type-C port or Ethernet connection, ensuring the microphone is always up-to-date with the latest features.

Microphone

Quantity	8-array microphone
Voice Pickup Range	Pickup radius \geq 8 m
Type	Omnidirectional microphone
Frequency Range	20 Hz ~ 20 kHz
Signal-to-Noise Ratio	\geq 68 dB
Sound Pressure Level	\geq 130 dB SPL (10%THD@1Khz)
Audio Algorithm	Automatic gain control Automatic mixing Automatic noise reduction Anti-reverberation Automatic echo cancellation Howling cancellation Multi-microphone cascade

I/O Port

DMIC	x2
USB Type-C (for upgrade and debug)	x1
Reset	x1

Electrical Parameters

Power Supply	DC-48V/ 100mA
Power Consumption	4W

Physical Parameters

Dimension (\varnothing D × T)	138.5 × 27.3 mm
Shipping Dimension (L × W × H)	852 × 276 × 68 mm
Net Weight	0.45 Kg
Gross Weight	1.4 Kg

Environmental Conditions

Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Operating Humidity	10% ~ 90% RH
Storage Humidity	10% ~ 90% RH
Altitude	Below 5000 meters

Accessory

Suspension Rod Bracket	x2
Bracket Installation Parts	x2
Quick Start Guide	x1

Statement

Size and weight vary by configuration and manufacturing process, please refer to the actual product.

The product images are for illustrative purposes only and may slightly differ in appearance, colour, size, etc. from the actual product.

The description, illustrations, etc. in this document may subject to change in accordance with the latest product specification and performance.

Should the above-mentioned change in the document become necessary, the document may be updated without written notice.

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