

MAXHUB Capture System

CM20 Omnidirectional Microphone

Experience crystal-clear audio with the CM20 omnidirectional microphone, designed to capture every word and sound with accuracy. Equipped with intelligent algorithms, the CM20 enables automatic gain control, noise reduction, and echo cancellation, delivering optimal audio quality for effective communication. With a 360-degree pickup range and ultra-durable design, it's perfect for classrooms and lecture halls.



Built-in Audio Algorithms

Supporting audio algorithms such as automatic gain, automatic noise reduction, echo cancellation



Ultra-wide Pickup Range

6-Array microphone, pickup radius $\geq 8\text{m}$, capture every word of the classroom



Double microphone synergy

Standard set of dual microphones for comprehensive audio coverage, providing superior audio quality



Ethernet-Powered

Supports power supply, enabling control and audio transmission to be completed with just one network cable.

Microphone

Quantity	6-Array microphone
Voice Pickup Range	Pickup radius≥8m
Type	Omnidirectional microphone
Frequency Range	20Hz~20kHz
Signal-to-Noise Ratio	≥65dB
Sound Pressure Level	≥132dB SPL (10%THD@1Khz)
Audio Algorithm	Automatic gain Automatic mixing Automatic noise reduction Anti-Reverberation Echo cancellation Howling cancellation

Operating System

Operating System	Linux
DDR Capacity	64MB
Flash Capacity	8MB

I/O Port

USB Type-C (for upgrade and debug)	×1
MIC OUT	×1

Electrical Parameters

Power Supply	12V/1A
Power Consumption	7W (max)

Physical Parameters

Dimension (W x H x D)	111.2×111.2×49.1mm
Shipping Dimension (W x H x D)	538×313×90mm
Net Weight (excluding bracket)	0.13Kg
Net Weight (including bracket)	0.59Kg
Gross Weight	1.9Kg

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

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.