Matrix Ceiling Microphone
FT-MCM01D

Feature:

1. It uses 36 microphones with high sensitivity, wide sound pickup range, high human voice restoration, beautiful appearance, simple and diverse installation methods; suitable for video conference rooms, important conference rooms of government agencies; commercial conference rooms of medium and large enterprises; multimedia classrooms of middle schools and colleges and universities
2. It has a built-in professional audio processor, and is loaded with industry-leading automatic feedback suppression (AFC), automatic noise suppression (ANS), automatic echo cancellation (AEC), automatic gain control (AGC), reverberation suppression (ARR), stable noise, transient noise, beamforming and other audio pre-processing algorithms, which can effectively improve the quality of voice amplification interaction
3. It has 36 built-in high-sensitivity digital microphones, with a single microphone signal-to-noise ratio of up to 72db, 360-degree omnidirectional sound pickup without dead angles; the normal sound pickup distance is 1-18 meters, which can cover a space of more than 100 square meters; the minimum volume of 28dB is picked up, the voice is clear and natural, and the original sound of the person is perfectly restored. Supports ceiling installation, with novel and beautiful appearance design, strong concealment, and can meet the needs of different customers

Specification:

Pickup distance	1-18 m
Microphone array directivity	Directivity can be set arbitrarily
Number of microphone arrays	36
Sensitivity	-32+2dB
Frequency response	75-20KHz
Signal-to-noise ratio	72dB
Working voltage	DC12V
Working temperature	-10°C~50°C
Automatic feedback suppression	AFC
Automatic echo cancellation	AEC
Automatic noise suppression	ANC
Automatic gain control	AGC
Reverberation suppression	ARR
Noise reduction amplitude	≤30dB

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Echo cancellation amplitude	≤90dB
Echo cancellation length	≤1s
Acoustic feedback gain	≤18dB
Reverberation suppression	≤18dB
Maximum gain	≤30dB
Sampling rate	48k
Frequency response	100Hz~ 20kHz, 0.3dB
Distortion	≤0.1%
Signal-to-noise ratio	>100dB
Input impedance (balanced)	20kΩ
Output impedance (balanced)	200Ω
Maximum input level (balanced)	4dBu
Maximum output level (balanced)	10dBu
Input gain adjustment	≤64dB