

SERENIX PROFESSIONAL AUDIO

SR-CM02

Cascading omnidirectional digital array microphone — even voice pickup across large conference rooms.

SR-CM02 is a cascading digital array microphone built for large and medium-sized conference rooms. A six-element omnidirectional array delivers up to 3 meters of voice pickup with minimal configuration, and up to six units can be daisy-chained over a single PoE run for even coverage across the room. Blind beamforming automatically tracks and aligns to the active speaker, while an onboard DSP applies echo cancellation, noise suppression and automatic gain so conversations stay clear even in noisy spaces.

**6**OMNIDIRECTIONAL
MIC ARRAY**3m**VOICE PICKUP
DISTANCE**6**LEVEL POE
CASCADE**65dB**SIGNAL-TO-NOISE
RATIO**32K**SAMPLING
RATE

FEATURES

01**Digital array microphone**

High-SNR ring microphone array design gives clear pickup from a distance, letting speakers move freely around the room.

02**Blind beamforming**

Automatic alignment to the active speaker with precise positioning and adaptive sound-field response for better anti-interference.

03**Smart audio algorithms**

Onboard DSP with voice tracking, noise reduction, echo cancellation, automatic gain and de-reverberation for full-duplex dual talk.

04**PoE cascading**

Cascade up to 6 units over standard PoE cable for distributed, even sound pickup across large and medium-sized rooms.

SPECIFICATIONS

Microphone type	Digital array microphone
Microphone array	6 omnidirectional mics, circular array, 360° pickup
Pickup distance	3m
Sensitivity	-38 dBFS
Signal-to-noise ratio	65 dB(A)
Frequency response	50Hz – 16kHz
Sampling rate	32K sampling, high-definition broadband audio
Audio processing	AEC, ANS and AGC supported
Cascade mode	PoE network cable, up to 6 levels
Network interface	RJ45 up / down cascade interface
USB interface	USB-C, UAC1.0, audio + upgrade + configuration
Analog audio	AUX1 / AUX2 line audio input and output
Power input	PoE 48V, IEEE 802.3at / USB 5V 500mA (single unit)
Supported systems	Windows / Mac / Linux
Installation methods	Desktop, lifting, wall-mounted, ceiling-mounted
Dimensions	Φ170mm x H40mm
Net weight	370g

CAPABILITIES

- Blind beamforming with automatic speaker tracking and adaptive sound-field alignment
- Full-duplex dual talk without suppression, even in noisy environments
- Cascades up to 6 units over a single PoE run for even large-room coverage
- Hot-adhesive fabric wrapping supports flexible colors and patterns to match room décor

HIGHLIGHTS

- Plug-and-play PoE deployment with minimal configuration
- Flexible desktop, lifting, wall or ceiling mounting
- USB-C for audio streaming, firmware upgrade and parameter configuration

APPLICATIONS

Conference Rooms

Boardrooms

Classrooms

Training Centers

Huddle Spaces