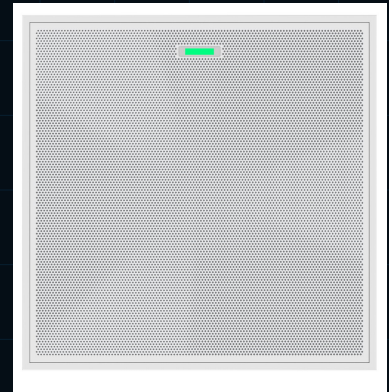


Beamforming Ceiling Array Microphone

Integrated 129-element MEMS array with onboard ClearVoice AI processing, Dante/AES67 networking, analog I/O, automatic mixing, and standalone voice-lift capability.



ACOUSTIC AND PROCESSING PERFORMANCE

Microphone elements	129 MEMS capsules
Pickup beams	33 independently adjustable zones
Sound-reinforcement beams	33 independently adjustable zones
Pickup distance	Up to 8 m / 26.2 ft
Voice-lift distance	Up to 4 m / 13.1 ft
Supported processing	AEC, AGC, AFC, ANS, dereverberation, automatic mixing
Acoustic feedback gain	≥ 18 dB
Noise reduction	≥ 30 dB
Echo cancellation	≥ 90 dB; tail length ≥ 1 second
Reverberation suppression	≥ 18 dB
Sound-reinforcement latency	18 ms
Sampling rate	48 kHz

AUDIO PERFORMANCE

Microphone sensitivity	-32 +/- 2 dB
Microphone SNR	70 dB
Microphone response	75 Hz-20 kHz
System frequency response	20 Hz-20 kHz, +/-0.5 dB
System SNR	100 dB
THD	<=0.1%
Balanced input impedance	20 kohms
Balanced output impedance	200 ohms
Maximum balanced input	+4 dBu
Maximum balanced output	+10 dBu

CONNECTIVITY AND CONTROL

RJ45 ports	3
Balanced analog inputs	4 via Phoenix connector
Balanced analog outputs	4 via Phoenix connector
RS-485	1
USB	1 x USB-C
Network audio	Dante and AES67
Cascading	Supported
Power input	12-48 VDC or PoE++ (802.3bt)
Power consumption	25 W

MECHANICAL AND ENVIRONMENTAL

Dimensions (W x D x H)	600 x 600 x 42.8 mm / 23.62 x 23.62 x 1.69 in
Net weight	6.03 kg / 13.29 lb
Finish	Pearl white
Operating temperature	0 to 40 C / 32 to 104 F
Storage temperature	-20 to 60 C / -4 to 140 F
Operating humidity	10%-90% RH, non-condensing
Mounting options	Flush, surface, wire suspension, or rod suspension