



Impact Series Ceiling Tile Microphone MODEL: IMPACT-CTM20

Specifications	
Ceiling Tile Microphone	Beamforming Ceiling Microphone Array for Conferencing and Collaboration, True Frequency Invariant Beamformer with unvarying gain response across frequency
Software Configurable Beamwidths	Small, Medium and large
Wideband Beamforming	100Hz to 20KHz
Echo Cancellation	Built in Acoustic Echo Cancellation per beam and Noise Cancellation upto 25dB with option to configure at an increment of 1dB
Microphone Array	Deep sidelobe down to 45dB of depth and Dynamic Range: 20 Hz to 20 KHz, > 70 dB
Configurable Beams	6/8/10/11/12
Sound Coverage	Full 360 degree coverage of any room supporting different patterns such as Circle/Square, Rectangular and Semicircle Classroom type configurations
Installation Type and Size	Ceiling grid flush type, surface and suspended column mount Installation methods with 600 mm
Amplifier & Mic	Built in Amplifier with 4channels x 15watts each @ 8 ohms or configurable to 2channels x 30watts @ 4 ohms, PoE Injector included as necessary to support the Beamforming Mic Array
DSP	Mixer with 4 Mic/Line distributed AEC Inputs, 8 Mic/Line Outputs, USB Audio, RS 232 interface for Control. 1 x Ethernet Port, 4 x GPIO port and Digital Expansion Bus 16 x 16. Noise Cancellation upto 25dB. Expand Multiple Units for connecting upto 150 Mic/Line Channels in a single stack without external switch.
Auto Mixer	First Mic priority based to avoid false gating and avoid tunneling sound. Monitor the ambient sound changes and set the Gating Parameters automatically. Feedback eliminator circuitry for voice lift application. Support 5 line VoIP and Telco interface. Frequency Response: 20Hz – 22kHz, Total Harmonic Distortion + Noise: 20Hz – 22kHz @ +4dBu, line level, 0.006%, Output Level: 0dBu (Nominal), 20dBu (Max), -40dBu
Power Supply Kit	36W PoE+ power supply kit - Includes 1 x 36 Watt PoE+ Injector, 2 x 25 ft CAT6 cables
Control System	Equipped with at least 4 bidirectional RS-232 serial ports, at least 4 IR ports, at least 4 Digital I/O ports, at least 4 low voltage relays for controlling room functions, at least 1 Ethernet monitoring and control port, Rack mounting

*Due to continuous product development, the specifications may change without prior notice.

**Product image(s) are for illustrative purposes only and may differ from the actual product.



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