

DATA SHEET

DEVIO® DCM-1

BEAMTRACKING™ CEILING MICROPHONE



The DCM-1 is a ceiling microphone for use in Devio® systems. Comprising a pendant microphone and plenum box, each microphone includes beamtracking™ technology with three 120-degree zones, providing full 360-degree coverage of the meeting space. The DCM-1 microphone actively tracks and intelligently mixes conversations from around the table, allowing far-end conference participants to experience the conversation naturally. The Devio DCM-1 has four software-selectable elevation angle modes for optimal sound pickup, and each plenum box comes with an additional RJ-45 connector for daisy-chain connections. A maximum of two DCM-1 microphones are permitted per daisy chain. The Devio DCM-1 is well suited for huddle rooms or small conference rooms that require cost effective, high-quality audio solutions.

FEATURES

- Beamtracking technology actively tracks and intelligently mixes conversations
- Three 120-degree zones for 360 degrees of coverage
- Three LED mute status indicators
- Four selectable elevation angle modes
- User-adjustable mic height
- Easy single-cable installation process
- Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces
- Additional RJ-45 for daisy-chain connection to another DCM-1 microphone (maximum of two mics per daisy chain)
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' two-year warranty

NOTE: DCM-1 CEILING MICROPHONES AND DTM-1 TABLETOP MICROPHONES CANNOT BE DAISY-CHAINED TOGETHER..

ARCHITECTS & ENGINEERS SPECIFICATIONS

The beamtracking™ ceiling microphone shall be designed exclusively for use with Devio® systems. The beamtracking ceiling microphone shall utilize a proprietary network via an RJ-45 connector for audio networking as well as software configuration and control. The beamtracking ceiling microphone shall contain eight-element microphones, and shall provide three 120-degree zones for 360 degrees of coverage. The beamtracking ceiling microphone shall offer multidirectional beamforming and automatic signal tracking capabilities. The beamtracking technology shall operate in conjunction with acoustic echo cancellation technology (AEC) in accordance with U.S. Patent 9659576. The beamtracking ceiling microphone shall offer simple installation and microphone height adjustment, and shall be mountable on a ceiling tile or in open-ceiling environments. The beamtracking ceiling microphone shall be suitable for use in air handling spaces in accordance with UL 2043, and shall provide a second RJ-45 connector to allow an additional beamtracking ceiling microphone to be daisy-chained together. The beamtracking ceiling microphone shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be two years. The beamtracking ceiling microphone shall be Devio DCM-1.

DEVIO DCM-1 SPECIFICATIONS

PENDANT MICROPHONE		PLENUM BOX	
Microphone Technology:	8-Element Digital Array	Power:	< 1 W, phantom powered from CR-1/SCR-20/SCR-25
Frequency Response (150 Hz - 16 kHz):	± 3 dB	Indicators:	Connection Indicator (Green LED)
Polar Pattern:	Active Beamformed	Digital Interface:	Custom/Proprietary
Sensitivity (94 dB SPL, 1 kHz):	> 70 dB, A-Weighted	Connectors:	Two RJ-45: one between DCM-1 plenum box and CR-1/SCR-20/SCR-25, the other between DCM-1 plenum box and additional DCM-1 plenum box
Maximum SPL (at 0.5% THD):	106 dB SPL	Max Distance Between Devices:	49 feet (15 meters) from CR-1/SCR-20/SCR-25 to DCM-1; 49 feet (15 meters) for daisy-chained connections between DCM-1 microphones
Dynamic Range (THD+N < 10%):	92 dB, A-Weighted	Overall Dimensions:	
Automatic Noise Suppression:	4 modes: Off, Low (Default), Medium, High	Height:	2 inches (51 mm)
Selectable Elevation Modes:	4 modes: multiple 30° selections	Width:	4 inches (102 mm)
Power:	< 1 W, phantom powered from plenum box	Depth:	5.4 inches (137 mm)
Indicators:	Mute Indicator (Green/Red LED)	Weight:	0.86 lbs (0.39 kg)
Digital Interface:	Custom/Proprietary	Environmental:	
Connector:	Custom 2-pin (cable length 4.9 feet [1.5 meters])	Ambient Operating Temperature Range:	32-104° F (0-40° C)
Overall Dimensions:		Humidity:	0-95% relative humidity (non-condensing)
Height:	2 inches (51 mm)	Altitude:	0-6,600 ft (0-2000 m) MSL
Width:	2.5 inches (63 mm)	Compliance:	FCC Part 15B (USA)
Depth:	2.5 inches (63 mm)		CE marked (Europe)
Weight:	0.38 lbs (0.17 kg)		UL and C-UL listed (USA and Canada)
			RoHS Directive (Europe)
			Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces

