



DATA SHEET

Polycom® Ceiling Microphone Array

Extraordinary room coverage with superior audio pickup

Polycom's digital microphone array is the only audio pickup device for video conferencing systems on the market that offers consistent, reliable, 360-degree voice pickup and Polycom StereoSurround™ audio. When paired with Polycom video conferencing systems, the audio pickup and delivery is unmatched.

That's why Polycom offers the easy-to-mount Ceiling Microphone Array. It eliminates conference table clutter and stays out of the way of pencil tappers and paper rustlers, while providing the same clear, crisp sound as our tabletop microphone arrays. Unobtrusively, the microphone elements are located in the room while the electronics are mounted above the ceiling tile, so you don't even know it's there. This makes the Ceiling Microphone Array the perfect solution for any application, large or small from the classroom, to the boardroom to the huddle room, anywhere 'out of sight, out of mind' is a good philosophy.

Stereo pickup with a single microphone array

The Ceiling Microphone Array is designed to eliminate acoustic noise coming from the ceiling, while boosting sensitivity gain even when the speaker is directly beneath the microphone. To achieve up to 1,600 square feet of coverage, simply connect up to four Ceiling Microphone Arrays to a single HDX® 9000 video system or the SoundStructure C12 or C16. Adjustable drop height from ceiling will accommodate any room size or environment. This huge coverage area is up to three times larger than competitive unidirectional ceiling microphones. It is delivered as a complete kit with all mounting hardware required for easy installation.

Polycom Ceiling Microphone Array seamlessly integrates with the Polycom HDX or RealPresence Group Series video systems, and Polycom SoundStructure® installed audio solution so you'll always enjoy the best audio quality in echo cancellation, noise reduction, and automatic gain control.



Benefits

- **Superior audio pickup** – Adjustable drop height provides extraordinary voice pickup from anywhere in the room
- **Award winning technology** – Makes full use of Polycom digital microphone and 22 kHz StereoSurround audio
- **Superb room coverage** – 360-degree coverage from three-cardioid elements can handle a room up to 1,600 square feet with four arrays, three times greater than competitive unidirectional products
- **Capture the speaker** – The only ceiling microphone on the market forms a directional microphone beam, automatically pointing to the person speaking
- **Neat, easy installation** – Complete kit includes everything you need to hide electronics in the ceiling, out of the way of the floor and tabletop

Product Specifications

Primary solution includes

- Microphone array available in white or black
- Electronics enclosure with ceiling mounting hardware (UL 2043 compliant and suitable for use in air-handling spaces)
- (1) 24-inch (60 cm) microphone interface cable*
- (1) 30-foot (914 cm) plenum C-Link 2 cable(1) 50-foot (1524 cm) plenum C-Link 2 cable (RJ45)
- Wall plate
- Walta to RJ45 adapter cable used for installations with RealPresence Group and HDX 6000/7000/8000 series systems.

Extension kit includes

- Microphone array available in white or black
- Electronics enclosure with ceiling mounting hardware (UL 2043 compliant and suitable for use in air-handling spaces)
- (1) 24-inch (60 cm) microphone interface cable*
- (1) 25-foot (762 cm) plenum C-Link II cable (RJ45)

Digital microphone specifications

- 360-degree directional pickup
- Three cardioid elements per microphone – Elements spaced 120 degrees apart
- Each Ceiling Microphone Array covers a 30' diameter
- Total coverage area for a single Ceiling Microphone Array is 400 square feet

Audio features**

- Dynamic microphone steering
- Full-duplex digital audio
- Instant Adaptation Echo Cancellation

Video System Compatibility	Maximum CMAs Supported
Polycom HDX 9000, SoundStructure C16, SoundStructure C12	Up to 4
Polycom HDX 8000, RealPresence Group 700	Up to 3
Polycom HDX 7000, HDX 4000, RealPresence Group 300 and 500, SoundStructure C8	Up to 2
Polycom HDX 6000	Up to 1

- Automatic Noise Suppression (ANS)
- Automatic Gain Control (ACG)

Installation guidelines

- Avoid interference with fluorescent lighting
- Avoid close proximity with AC vents
- Secure mounting ears for electronic boxes
- Avoid all other obvious sources of noise
- Microphone array should be 7-8' above the floor
- Maximum cable distance to the primary (first) electronics box is 100', maximum cable distance between extensions is 25'

Product characteristics

- Dimensions (WDH): 4" / 6" / 1 5/8", 101.6 mm / 152.4 mm / 41.3 mm
- Weight 14 oz; 397 kg

Warranty

- One-year return to factory parts and labor

Usage environment ideas

- K-12, Primary and Secondary school locations
- Higher Education including universities, colleges, community colleges, technical colleges
- Corporate training rooms

- Auditoriums
- Large lecture halls
- Medical training facilities
- Corporate boardrooms
- Military training/distributed learning rooms, command centers, briefing centers
- Continuing education center
- Museums or hospitals
- Content provider locations

Applications ideas

- Basic or advanced meetings
- General distance and distributed learning
- Specialized courses of instruction
- Continuing education
- Professional development
- Blended learning environments
- Music schools
- Theatre content and classes

* Also available as an option 6' white or black

** Features supported with Polycom room video codecs and SoundStructure installed audio solutions

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About Polycom

Polycom is the global leader in standards-based unified communications (UC) solutions for telepresence, video, and voice powered by the Polycom® RealPresence® Platform. The RealPresence Platform interoperates with the broadest range of business, mobile, and social applications and devices. More than 400,000 organizations trust Polycom solutions to collaborate and meet face-to-face from any location for more productive and effective engagement with colleagues, partners, customers, specialists, and prospects. Polycom, together with its broad partner ecosystem, provides customers with the best TCO, scalability, and security for video collaboration, whether on-premises, hosted, or cloud-delivered. Visit www.polycom.com or connect with Polycom on Twitter, Facebook, and LinkedIn.

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