



## DATA SHEET

# Polycom® Ceiling Microphone Array

## Extraordinary room coverage with superior audio pickup

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

Polycom's easy-to-mount Ceiling Microphone Array eliminates conference table clutter and stays out of the way of pencil tappers and paper rustlers, while providing the same clear, crisp audio delivery 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.

### Acoustic Fence™ Technology

Open workspaces are prevalent but can create challenges for effective collaboration across remote locations. Create a virtual fence in open workspaces with RealPresence® Group Series Acoustic Fence technology to isolate sound capture within the fence. Ceiling Microphone Arrays define the fence area so audio outside of the beam is attenuated. Remote participants are no longer forced to hear distracting noises and can focus on important problem solving within the meeting instead.

### Stereo pickup with a single microphone array

The Ceiling Microphone Array eliminates 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 Polycom® RealPresence® Group Series 500 or 700 video system. 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 Arrays seamlessly integrate with the RealPresence Group Series video systems and Polycom SoundStructure® installed audio solutions, 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's 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 with 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" (60 cm) microphone interface cable\*
- (1) 50' (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" (60 cm) microphone interface cable\*
- (1) 25" (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 24' diameter
- Total coverage area for a single Ceiling Microphone Array is 400 square feet

Video System Compatibility	Maximum CMAs Supported
RealPresence Group 500 & 700, SoundStructure C12, SoundStructure C16, HDX 9000	Up to 4
HDX 8000	Up to 3
RealPresence Group 300/310, SoundStructure C8, HDX 7000	Up to 2
HDX 6000	Up to 1

### Audio features\*\*

- Dynamic microphone steering
- Full-duplex digital audio
- Instant adaptation echo cancellation
- Automatic noise suppression (ANS)
- Automatic gain control (ACG)

### Product characteristics

- Dimensions (W/D/H): 4"/6"/1½", 101.6 mm/152.4 mm/41.3 mm
- Weight 14 oz; 397 kg

### 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'

### Warranty

- One-year return for 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

\* Also available as an option: 6' white or black

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

## About Polycom

Polycom helps organizations unleash the power of human collaboration. More than 400,000 companies and institutions worldwide defy distance with video, voice and content solutions from Polycom. Polycom and its global partner ecosystem provide flexible collaboration solutions for any environment that deliver the best user experience and unmatched investment protection.

Polycom, Inc.  
1.800.POLYCOM  
[www.polycom.com](http://www.polycom.com)

Polycom Asia Pacific Pte Ltd  
+65 6389 9200  
[www.polycom.com.sg](http://www.polycom.com.sg)

Polycom EMEA  
+44 (0)1753 723282  
[www.polycom.co.uk](http://www.polycom.co.uk)

