



# NEARITY A50 Ceiling Array Microphone Solution

## Lossless Audio Magic In Action



91-Element  
Microphone Array



Deep Sidelobe  
Beamforming



8 Meter  
Sound Pickup



Daisy-Chain  
Expansion



AI Noise-  
Suppression



Full-Duplex

The NEARITY A50 is an integrated, in-ceiling array microphone solution for video conferencing and in-room audio. With advanced beamforming technology and a 91-element microphone, A50 ensures that every word is clear to both participants on the scene or remotely. The NEARITY A50 is an incredible productivity tool for different spaces such as boardrooms, huddle rooms, and multi-purpose spaces.

### Product Features

#### Meeting equality for every corner

Featuring 91 element MEMS microphones and deep sidelobe beamforming, NEARITY A50 can precisely pick up sound for up to 12 independent lobes.

#### Ultimate productivity for all of your space

NEARITY A50 can automatically detect position the speaker in a room and pick up consistent sound while the speaker is walking around. The integrated design allows you to eliminate all equipment clutter, leaving more room to share and work.

#### Simple room expansion with daisy-chains

The NEARITY A50 can be daisy-chained (up to 8 A50 devices) to extend audio capacity and cover larger space.

#### Clear sound even in challenging environments

The NEARITY A50 substantially reduces or removes reverb and echoes in your space through both traditional and AI based algorithms

- 91-Element Microphone Array
- 12 Deep Sidelobe Beamforming
- **8m** effective Pickup Range
- Daisy-Chain Up To 8 Devices
- AI Noise-Suppression
- True Full Duplex
- Digital Signal Processing (DSP)

# NEARITY A50 Technical Specifications

## Microphone Features

- 91-element omnidirectional microphone array
- -38dBV/Pa 94dB SPL@1kHz
- 63dBV/Pa 94dB SPL@1kHz,A-weighted
- **8m** effective pickup distance

## Audio Characteristics

- 12 deep sidelobe beamforming
- Maximum background noise suppression: 30dB
- True full-duplex technology
- Echo cancellation
- Automatic Gain Control (AGC)
- Reverberation suppression
- Feedback suppression
- Adaptive beaming
- Intelligent mixing DSP

## Daisy-chain

- POE UTP RJ45 (CAT6)
- Maximum daisy chain: 8 A50 units

## Physical Characteristics

- Width: 603mm (23.74 in)
- Depth: 603mm (23.74in)
- Installation: ceiling mount
- 2 POE network ports for daisy chain and power supply
- Color: White