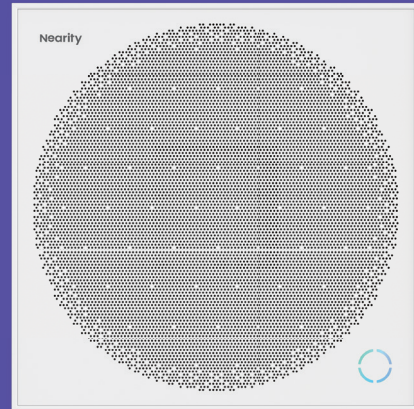


# A50 CEILINGMIC



12 Deep Sidelobes  
Beamforming



Daisy-chain  
Expansion



AI Noise  
Suppression



Wide Coverage  
Range



Sound  
Reinforcement



Remote  
Conference

NEARITY A50 is an integrated ceiling microphone solution for video conferencing and in-room audio. Using a 91-element microphone array and deep sidelobe beamforming, advanced AI driven signal processing ensures that every word is clear- from huddle rooms to audience halls.

## Product features

### Advanced beamforming technology

91 element MEMS microphones and deep sidelobe beamforming pick up sound for up to 12 independent lobes.

### AI driven audio processing

Automatically detects even moving presenters in on their voices for amplification, broadcast, or both.

### Eliminate office clutter

Integrated design allows you to eliminate traditional conference equipment, leaving more room to share and work.

### Plug-and-play expansion

Up to eight units A50 daisy-chain via POE to extend your audio reach and cover large spaces.

### Deep-learning AI trained to distinguish human voice from other noise

Matching with high-performance digital signal processor AMX100 DSP, Nearity A50 solution applies Deep-learning AI capabilities, including advanced audio technologies such as audio mixing routing, echo cancellation, noise reduction, and automatic gain control, ensuring clear speech in a wide area.

- 91 MEMS microphone array
- Effective pickup range: 10m x 10m (33ft x 33ft)
- 12 deep sidelobes beamforming
- AI noise suppression
- Daisy-chain up to 8 units
- Local sound reinforcement /Remote conference / Hybrid mode
- Howling suppression

# NEARITY A50 Datasheet

Contents	Technical Specifications
Microphone Features	91 MEMS microphone array
	Effective pickup range: 10m x 10m(33ft x 33ft)
	Sensitivity: -38dBV/Pa 94dB SPL@1kHz SNR: 63dBV/Pa 94dB SPL@1kHz,A-weighted
Audio Characteristics	12 deep sidelobes beamforming
	Background noise suppression
	Full-duplex
	Echo cancellation
	Automatic Gain Control(AGC)
	Howling suppression
	Adaptively switching pickup beams supported
	Smart reverbration
Working Modes	Local sound reinforcement / Remote conference /Hybrid mode
Daisy-chain	POE via UTP cable(CAT6)
	Maximum daisy-chain 8 units
Product dimension	Height: 45.4mm(1.79 inches) Width: 603mm(23.74 inches) Length: 603mm(23.74 inches)
Installation options	Ceiling mounting / VESA bracket
Connectivity	2x RJ45 Ethernet Ports
Power	Powered by DSP via POE
Color	White
Packing List	1× A50 1× 10m UTP cable(Cat6) 1× Accessory package

\*All tech specs are subject to change without notice.