Nearity

A20S CONFERENCE SPEAKERMIC

8 MEMS Microphones Array

AI Noise Suppression

Full-duplex

Daisy-chain

EQ Adjustable

Plug&Play

NEARITY A20S SpeakerMic offers premium sound quality and industry leading adaptability to organizations of any size. A 5m audio range and advanced AI driven sound processing foster clear communication, while NEARITY proprietary plug-and-play daisy-chain technology makes expansion easy.

Product features

AI enabled echo cancellation
Advanced audio algorithm effectively removes acoustic echo and room echo while providing meeting equity - even in challenging environments.

Full-duplex communication
Advanced full-duplex allows both sides to speak and be heard simultaneously, essential during intense discussion or brainstorming.

Daisy-chain room expansion
Right-size your audio footprint by connecting up to 6 A20S units to ensure every voice is heard, regardless of room size.

Easy setup and use
USB plug-anEasy setup and used-play, flexible installation, and compatible with leading UC platforms.

Customizable audio settings
Customize noise elimination, reverb and echo elimination levels using the NEARITY Device Manager software.

- 8 MEMS microphones array

- Effective pickup distance: 5m(16ft)

- AI Noise suppression

- Echo cancellation

- Full-duplex

- Automatic Gain Control (AGC)

- Reverberation suppression

- Daisy-chain up to 6 units via POE

NEARITY A20S Datasheet

Contents	Technical Specifications
Microphone Features	8 MEMS microphones array
	Effective pickup distance: 5m(16ft)
	Sensitivity: -38dBFS 94dB SPL@1kHz
	SNR: 63dBV/Pa 94dB SPL@1kHz,A-weighted
Speaker Characteristics	Rated output power: 4Ω/5W
	Speaker frequency response: 220Hz~12kHz
	Speaker volume: 80±3dB @1m
	THD<5%
Audio Characteristics	Beamforming
	Voice Activity Detector(VAD)
	AI noise suppression
	Full-duplex
	Echo cancellation
	Automatic Gain Control (AGC)
	Reverberation suppression
Daisy-chain	POE UTP RJ45 (CAT6)
	Maximum daisy-chain 6 units
Physical Characteristics	Height: 64mm (2.5 inches) Width: 120mm (4.7 inches) Depth: 120mm (4.7 inches)
	Net weight: 359g (12.66 oz)
	Color: Deep Tarnish
Power and Connectivity	External power supply: DC 54V/1.2A or USB 5V/0.5A
	Compatible operating systems: Windows/Mac/Linux
	USB port: USB 2.0 Type-C
Packing List	1×A20S 1×USB cable 1×UTP ethernet Cable (Cat6) 1×Adapter 1×User manual

*All tech specs are subject to change without notice.