

# A21S CONFERENCE SPEAKERMIC



8 MEMS  
Microphones  
Array



AI Noise  
Suppression



Full-duplex



Daisy-chain



AI Echo  
Cancellation



Plug&Play

The A21S is the latest conference room noise reduction speakermic. Equipped with AI audio deep learning algorithm and a newly upgraded 8-element omnidirectional microphone array, it can effectively eliminate reverberation echoes and more than 300+ noise in conference rooms, providing excellent call sound quality. With high-quality speakers, it realizes low-latency transparent dual talk.

## Product features

### New Upgraded AI2.0 Algorithm

Loaded with advanced Deeplearning algorithms, it more effectively eliminates acoustic reverberation, echo and more than 300 common conference room noises including keyboard sounds, footsteps, air conditioning noise, etc

### 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 4\*A21S units by directly Cat6 wire connection(can be extended to 8 by PoE injector), to ensure every voice is heard, regardless of room size.

### Best-in-class audio experience

The A21S adopts unique far-field voice processing and audio clock synchronization technology to achieve uniform sound pickup and amplification, so that speaking in any direction in the conference room is as natural as face-to-face communication

### Easy setup and use

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

- 8 MEMS microphones array
- Effective pickup distance: 5m(16ft)
- AI 2.0 Noise Suppression
- AI Echo and Reverb Cancellation
- Full-duplex
- Daisy-chain up to 8 units via PoE
- USB Plug & Play

# NEARITY A21S Datasheet

Contents	Technical Specifications
Microphone Features	8 MEMS microphone 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/3W
	Speaker frequency response: 220Hz~12kHz
	Speaker volume: 80±3dB @1m
	THD<5%
Audio Characteristics	Beamforming
	Voice Activity Detector(VAD)
	AI noise suppression
	Full-duplex
	AI Reverb and Echo cancellation
	Automatic Gain Control (AGC)
Daisy-chain	POE UTP RJ45 (CAT6)
	Up to 4/8* units via POE connection
Physical Characteristics	Height: 64mm (2.5 inches)
	Width: 120mm (4.7 inches)
	Depth: 120mm (4.7 inches)
	Net weight: 544g (19.19 oz)
	Color: Deep Tarnish
Power and Connectivity	External power supply: DC 48V/0.6A or USB 5V/0.5A
	Compatible operating systems: Windows/Mac/Linux
	USB port: USB 2.0 Type-C
Packing List	1x A21S 1x USB cable 1x UTP ethernet Cable (Cat6) 1x Adapter 1x User manual

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

\*When daisy-chain 8 units, should use the PoE injector between the 4th and 5th unit.