



Meeting Equity for Every Corner



8-Element
Microphone



AI Noise
- Suppression



Full-Duplex



Daisy-Chain



Customizable
audio setting



Plug & Play

A20 Conference SpeakerMic

NEARITY A20 is a noise-suppression speakermic for conference calls. A20 can effectively suppress office background noises such as document flipping, keyboard tapping etc. A20 can also pick up far-field sound with phenomenal clarity and conduct full-duplex calls within 5 meters. The audio capacity with the daisy chain function is extended mainly by daisy-chaining up to 5 A20 according to the room sizes. In addition, A20 is easy to use and is compatible with leading UC platforms.

Product Features

Lossless audio capture technology

Effectively removes acoustic echo and room echo while providing meeting equity even in noise challenged environments.

Never miss a word even interrupted

Full duplex conversation allows for simultaneous speaking without missing a word especially during intense discussion or brainstorming.

One device fits all your conference rooms

You can daisy chain up to 5 units of A20 according to your conference room size. Easy to maintain with only one SKU.

Easy to use

USB plug-and-play, flexible installation and is compatible with leading UC platforms.

Customizable audio setting

You can customize noise elimination level, reverb level and echo elimination level on the NEARITY DFU software.

- 8-element omnidirectional microphone array
- Full band speaker
- Support Echo cancellation
- Support Reverb suppression
- Full duplex communication
- -Automatic gain control (AGC) within 5 meters
- daisy chain up to 5 units allowing for 15 meters
- Effective sound pickup
- USB 2.0 type C

NEARITY A20 Technical Specifications

Physical characteristics

- Height: 64mm (2.5 inches)
- Width: 120mm (4.7 inches)
- Depth: 120mm (4.7 inches)
- Net weight: 544g
- Gross weight: 1120g
- Color: Galaxy Gray
- Installation: Place on a surface

Audio characteristics

- Beamforming supported
- Maximum Background Noise Suppression: 18dB
- Full duplex communication
- Echo cancellation: coupling loss ≥ 56 dB
- Automatic Gain Control (AGC) within 5 meters
- Reverberation Suppression: RT60 < 1 s

Microphone features

- 8-element omnidirectional microphone array
- -26dBFS 94dB SPL@1kHz
- 65dBA@20kHz bandwidth, A-weighted
- Voice pickup range: 5m

Daisy-chain

- POE UTP RJ45 (CAT6)
- Maximum daisy chain units: 5 units of A20

Speaker characteristics

- Rated output power: 4 Ω /1.5W
- Speaker Frequency Response: 155Hz~16kHz
- Speaker Volume: 80 \pm 3dB (500,600,800,1200Hz) @1W/1m
- THD $< 3\%$

Power and connectivity

- External power supply: DC 48V/0.6A or USB 5V/0.5A
- Compatible operating systems: Windows/Mac/Linux
- USB port: USB2.0 Type-C

*All tech specs are subject to changed without notice.

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