



# 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  $\geq 56$ 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 $\Omega$ /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