Model O

Intelligent Noise-cancelling Array Microphone

In regular meetings and video conferences, you may encounter the following audio challenges:
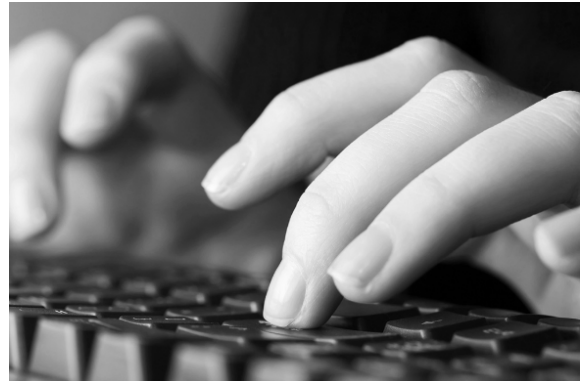

Pickup Distance
Microphone pickup distance is too far, resulting in unclear audio for remote participants.

Background Noise
Excessive background noise affects the quality of the meeting.

Room Echo
Poor acoustic conditions in the meeting room leading to echo and reverberation.

Insufficient Coverage
Limitation in the number of microphones, leading to inadequate sound coverage for all participants.

GONSIN®

Model O
Intelligent Noise-cancelling Array Microphone

Professional AI Product Solution for Common Audio Pickup Issues in Meeting Rooms

GONSIN is dedicated to delivering premium conference audio pickup performance by incorporating intelligent AI algorithms. Addressing common audio pickup issues in meeting rooms, the AI-powered technology achieves the following:

• Adaptive Voice Gain: Ensuring consistent voice clarity regardless of pickup distance
• Intelligent Noise Reduction: Eliminating more than 300 kinds of common noises caused by tapping the desktop, keyboard or touch screen, or caused by the operation of air conditioner or fan
• Automatic Reverberation Elimination: Leveraging deep learning models to effectively remove room reverberation for clearer sound

This technology has been applied in products such as the GONSIN Intelligent Noise-cancelling Array Microphone and Full Digital Conference System.

360° Omnidirectional Pickup	Speech Transcription	USB
8-unit Array	8-unit Cascade	PoE Network Cable Connection

Desktop Installation

Ceiling Installation

Floor Tripod Installation

AI to Intelligent Noise Reduction

◆ Based on deep learning algorithm model, AI to noise reduction, elimination of mixing, self-adaptive conference room environment

◆ Can eliminate all kinds of sudden noise in the environment, efficient sound pickup

Solve
Background Noise Interference

Eliminate
Over 300 Common Noises

Clear
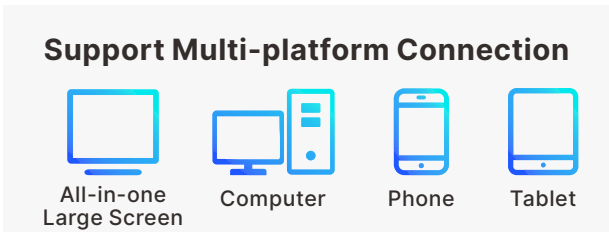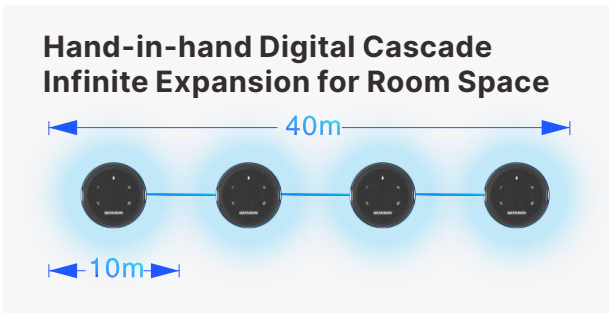**Conversations at Both Ends**

Full Space Coverage Uniform Pickup

◆ Clear conversations at both ends of the video conference, with high-precision network clock synchronization and network audio transmission technology

◆ Consistent pick-up effect regardless of distance , more flexible for speakers

10m Diameter Ultra-long Distance Pickup

03

Support various forms of devices
Realize rich application scenarios

◆ Hand-in-hand digital cascade, can connect with all-in-one large screen, computer,phone and tablet

◆ Adapt to different power supply conditions , support multiple installation methods

Hand-in-hand Digital Cascade
Infinite Expansion for Room Space

40m

10m

Support Multi-platform Connection

All-in-one Large Screen | Computer | Phone | Tablet

Music Mode

◆ Pick up authentic live sound, suitable for entertainment, performances, filming, and other applications

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RJ-45 Output Interface

RJ-45 Input Interface

Hidden Interface
Design at the Bottom

OUTPUT /NEXT
INPUT /PREVIOUS

GONSIN
Name: Intelligent Noise-cancelling Array Microphone
Model NO. MIC-RA08
USB   DC 48V~57V
MADE IN CHINA
GONSIN CONFERENCE EQUIPMENT CO.,LTD.

USB Type-C Interface

DC Power Input Interface

Support Extended Speech Recognition
Meeting Minutes, Online Translation

(Additional voice recognition service need to be purchased for expanded functions)

◆ With Automatic Speech Recognition System, realize voice transcription and meeting recording

◆ Real-time subtitles can be displayed through the connected screen, support online translation for subtitles

✓ **Voice Transcription**

✓ **Real-time Subtitles**

✓ **Online Translation**

GONSIN

Intelligent Noise-cancelling Array Microphone
MIC-RA08

Features

- Built-in 8-unit ring array digital microphone, 360° pick up with 10 meters in diameter , support voice gain adaptive, make sure that the voice does not fade as the pickup distance increases, with same pickup effect regardless of distance
- Based on deep learning algorithm model to achieve AI noise reduction, it can eliminate more than 300 kinds of common noises caused by tapping the desktop, keyboard or touch screen, or caused by the operation of air conditioner or fan in the venue
- Support up to 8-microphone PoE network cable cascade(Need to add POE power supply)
- Built-in high quality speaker, synchronized speech for two, adopt high-precision pickup and playback clock synchronization, combined with sound source positioning and microphone array algorithm to achieve multiple cascades of full-space coverage uniform pickup and playback
- The bottom of the microphone is designed with a hidden cable interface to ensure stable connection and neat desktop. Support desktop, floor tripod, ceiling and other installation methods, adapting to complex installation environment (need to match the corresponding installation accessories)
- Support standard POE, DC adapter and Type-C USB power supply methods, adapt to various power supply conditions
- Support USB-connected computers, phones, tablets, all-in-one large screen with Windows/Mac/Android/Linux systems, suitable for meeting, training, recording and teaching and other remote video application scenarios
- With Automatic Speech Recognition System, it can expand voice transcription function, realizing real-time subtitles, online translation, meeting recording and other functions (Additional voice recognition service need to be purchased for expanded functions)

Technical Parameters

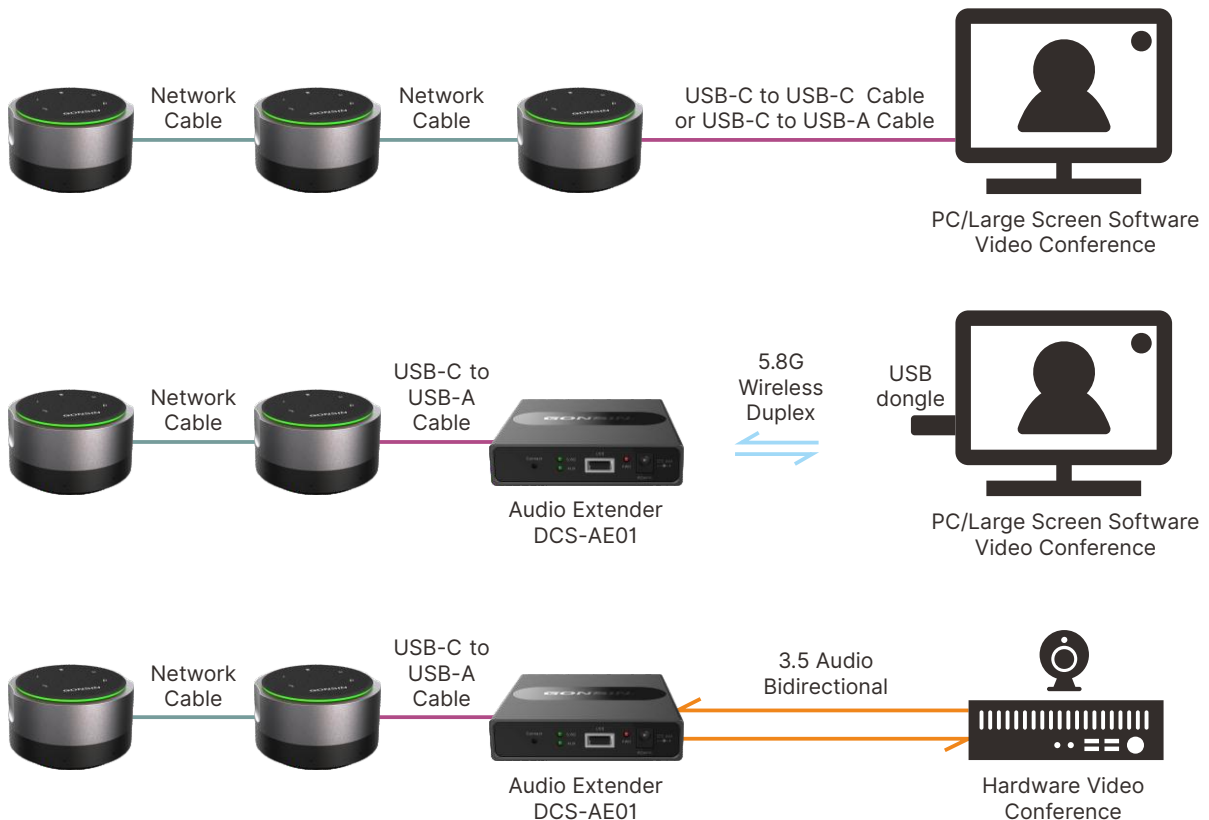|	
Microphone	8-unit digital microphone
Pointing Characteristics	Omnidirectional
Signal to Noise Ratio	68dB(A)
Sensitivity	-36dB±1dB
Maximum Sound Pressure Level	130dB
Pickup range	Diameter≤10m
Algorithm characteristics	Automatic soft gain, AI to noise reduction, AI to reverb elimination, intelligent echo cancellation
Cascade Characteristics	1-4 units can connect with POE network cable
Interface	RJ45×2,DC interface×1,USB Type-C×1
Power supply	DC48V/POE/USB
Size	ø120mm ×70mm
Weight	430g
Storage Temperature	-20~50°C
Operating Temperature	0~45°C
Speaker	
Power Rating	4Ω5W
Effective frequency width	80Hz~20kHz
Volume	84±2dB, 1.0W/0.5m
Distortion	MAX3%

■ Audio Extender DCS-AE01

Features

- Connect the microphone by USB to provide wireless connectivity for the microphone. Receiver connects to computer for use, enabling sound pickup and amplification capabilities
- Support USB to 3.5mm audio. Support two-way communication between audio input and output, which can be applied in hardware video conference, education recording and broadcasting, court trial, monitoring and recording and other occasions.

Technical Parameters

Interface	DC interface × 1, USB interface × 1, 3.5mm audio interface × 2
Indicator Lights	Wireless/Wired/Power
Power Supply	24V
Wireless	5.8GHz, 10 meters

■ System Diagram

Network Cable — Network Cable — USB-C to USB-C Cable or USB-C to USB-A Cable

PC/Large Screen Software Video Conference

Network Cable — USB-C to USB-A Cable — Audio Extender DCS-AE01 — 5.8G Wireless Duplex — USB dongle

PC/Large Screen Software Video Conference

Network Cable — USB-C to USB-A Cable — Audio Extender DCS-AE01 — 3.5 Audio Bidirectional — Hardware Video Conference

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English Wechat