VISSONIC®
Professional Audio/Visual Manufacturer

Premium Ceiling Microphone for Superior Audio Clarity

Advanced Sound Pickup、 Digital Precision、 AI-Optimized Audio

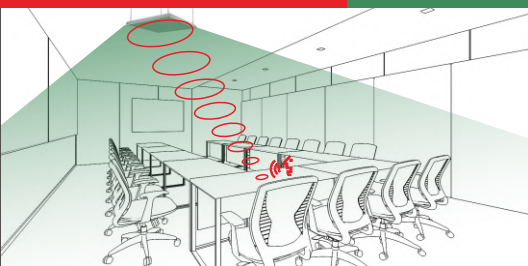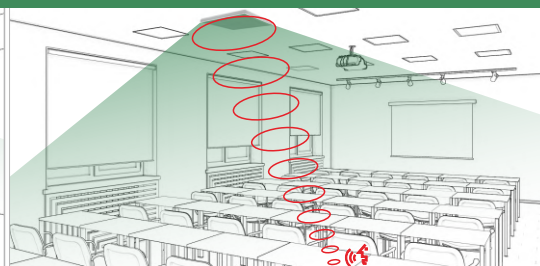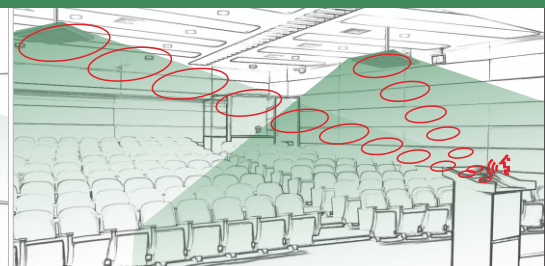|							
17 Sound Reinforcement Zones & 33 Pickup Zones	130 Microphones Array	Voice Recognition	AI Algorithm	Multi-device Cascading	15dB Audio Gain	18ms Ultra-low Latency	Dante Protocol

Sound Pickup Distance: 8m | Sound Reinforcement Distance: 4m

High-end corporate conference rooms | Training & interactive spaces | Auditoriums

130
microphones Array

1000 beams
Fine-grained grid coverage

8m
Pickup distance

48kHz
High-definition sampling for more faithful sound

Pick the top 2 out of 1000
Multi-person recording

Preferred pickup zones
Priority pickup to prevent interruption

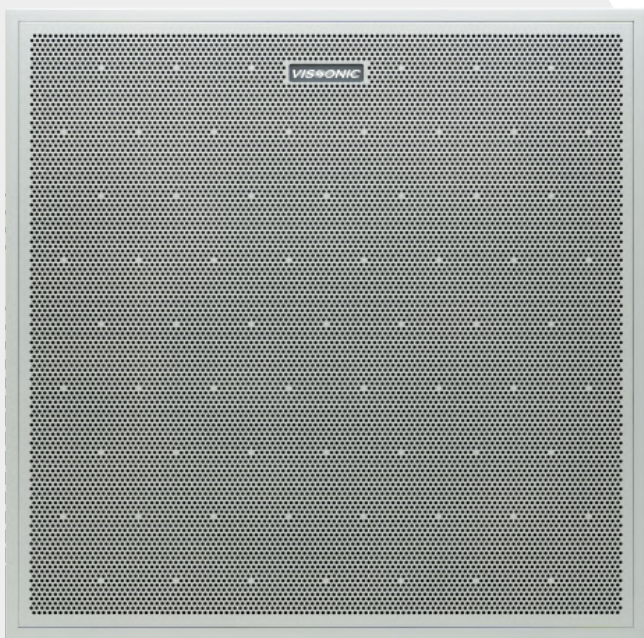**<18ms**
Ultra-low latency

+10dB
Louder sound, better quality

AI-AFC
Built-in AI algorithm

Features

VIS-DCM3
Premium Ceiling Microphone

The VIS-DCM3 by VISSONIC is a high-end ceiling-mounted conference microphone featuring up to 130 omnidirectional microphones and 33 configurable pickup zones for optimal sound capture. It utilizes Dante digital audio technology for stable, compatible audio transmission and incorporates advanced AI algorithms for noise reduction, reverb suppression, feedback suppression, and echo cancellation. With support for suspension, extreme, and ceiling mounts, and compatibility with PoE power, the VIS-DCM3 is versatile and efficient for various conference environments.
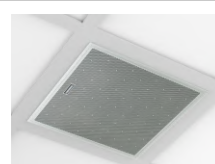
Features

- 130-microphone array has a pickup radius of 8 meters and can cover up to 60 square meters per unit.
- It features 33 exclusive pickup zones, allowing for flexible configuration to meet the needs of various meeting
- The AI-powered high-definition noise reduction and echo cancellation suppress over 300 types of background noise.
- The system supports subtle amplification for local voice and is compatible with traditional audio for remote conferencing.
- It offers precise DOA positioning and speaker tracking with linked camera preset positions.
- With a high sampling rate of 48kHz and ultra-low latency of less than 18ms, it captures more details for authentic sound reproduction.
- Built-in AFC enables single-unit local sound reinforcement without the need for an audio processor.
- The system uses Dante digital audio transmission, an international standard.
- It supports unlimited cascading of units to meet various large-scale scenarios.
- Designed for ceiling installation, it boasts a sleek and high-end appearance.
- The system includes customizable audio settings for tailored configurations and visualized sound tuning.

Technical Parameters

Dante	
Number of Channels	2x2
Remote Meeting/Local Sound Reinforcement Channels	1/1
Power	
Power supply	POE
Audio	
Remote Pickup Areas	8
Local Pickup Areas	8
Capture Rate	48kHz
Maximum Background Noise Suppression	35dB
Audio Gain	15dB
AI Noise Reduction Suppression	Support
AI Reverberation Suppression	Support
AI Feedback Suppression	Support
AI Echo Cancellation	Support
Delay (Automatic Mixing Output, Including Dante)	<18ms
Microphone	
Mic Array Type	130-unit MEMS
Sensitivity	-38dBv/94dB SPL @1KHz
Signal-to-Noise Ratio	65dBv/94dB SPL@1KHz, A-weighted
Cascade Performance	
Cascade Quantity	Unlimited
Cascade Methods	Dante audio/Analog cascading
Interface	
Analog Outputs	4 Ports
Analog Inputs	4 Ports
Type-C	1 Port
Ethernet	3 Ports
Dante Audio Transmission	1 RJ45 Port
Reset	Push button for Factory Reset
Algorithm Parameters	
AFC	Supported
AEC	Supported
AGC	Supported
AI Noise Reduction	Supported
ARR	Supported
Automatic Mixing	Supported
Beamforming	Supported
Sound Source Localization	Supported
Mechanical	
Dimensions(mm)	600L×600W×60H
Color	White
Weight	6.5KG
Mounting Type	Pole mount, Ceiling grid, Suspension mount

Pole mount   Ceiling grid   Suspension mount

System Diagram

PC

Dante
audio adapter

Microphone

Digital DSP audio matrix

Dante Speaker

POE switch

VIS-DCM3
Premium Ceiling Microphone

AUDIO   USB   CAT5e