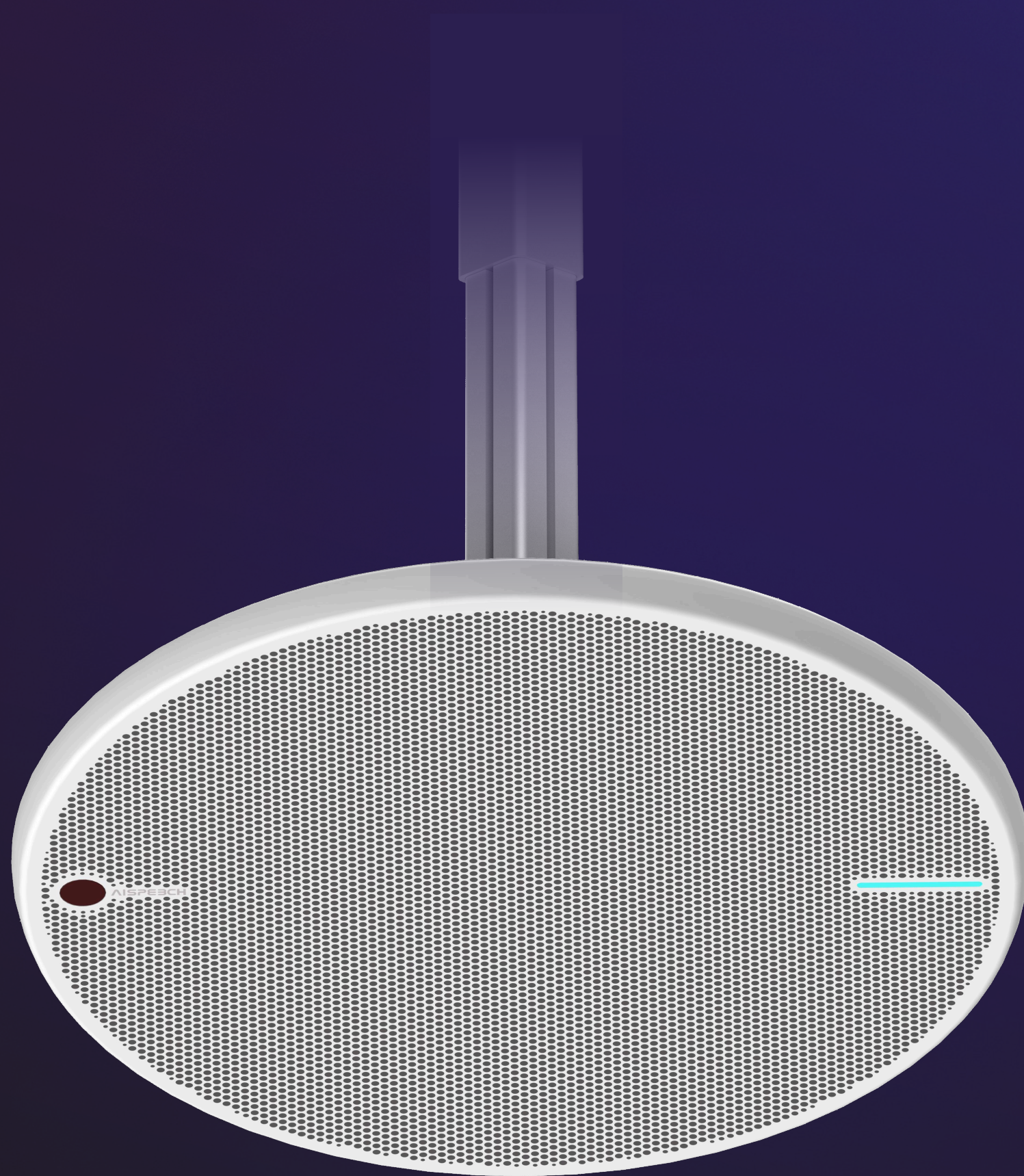


High-end Ceiling Microphone AIMIC-MC08



CATALOG

- 1 Product Introduction
- 2 Main Features
- 3 Product Specifications
- 4 Audio Performance
- 5 Installation Method
- 6 External Dimension
- 7 Selection Guide



MC08 Scene Image

Product Introduction

MC08 incorporates Dante® digital audio for stable, high-fidelity IP transmission and seamless integration with mainstream networked audio ecosystems. Analog audio interfaces are provided for compatibility with legacy infrastructures, enabling incremental upgrades. Built-in processing includes noise reduction, dereverberation, feedback suppression, automatic gain control, echo cancellation, and full-duplex operation. PoE+ power and flexible mounting options simplify classroom deployment and suit both standard rooms and cost-sensitive educational projects.

Main Features

All-in-one for Education

MC08 delivers even classroom reinforcement with AI-AFC, supports immersive remote classes via AI noise reduction, auto gain, and Dante transport, and preserves lessons through AI dereverberation for clear mixed pickup of lectures, Q&A, and interactions.

Education-Tuned AI

MC08 employs processing algorithms trained on representative classroom noise profiles to attenuate fan noise, page turns, writing friction, and outdoor interference, and its intelligent gain control stabilizes speech levels as the presenter moves.

Array & Lectern Coverage

MC08 features a 32-mic, 4.5 m effective pickup radius, omnidirectional MEMS array that provides targeted coverage of the lectern/board area, keeping speech clear even as the presenter moves or writes.

Zones & Mute Strategy

MC08 provides eight configurable zones (4 Teleconference + 4 Voice Lift) with visual control over position, size, type, and parameters; mute zones reduce student chatter; Voice Lift zones focus on the lectern to prioritize instructor speech.

Dante & Analog

Hybrid Dante and analog I/O simplifies system design while preserving compatibility and easy commissioning with legacy gear.

Sampling & Fidelity

High-resolution 48 kHz sampling with 24-bit depth preserves detail and dynamic range for natural, low-distortion audio that enhances intelligibility and immersion.

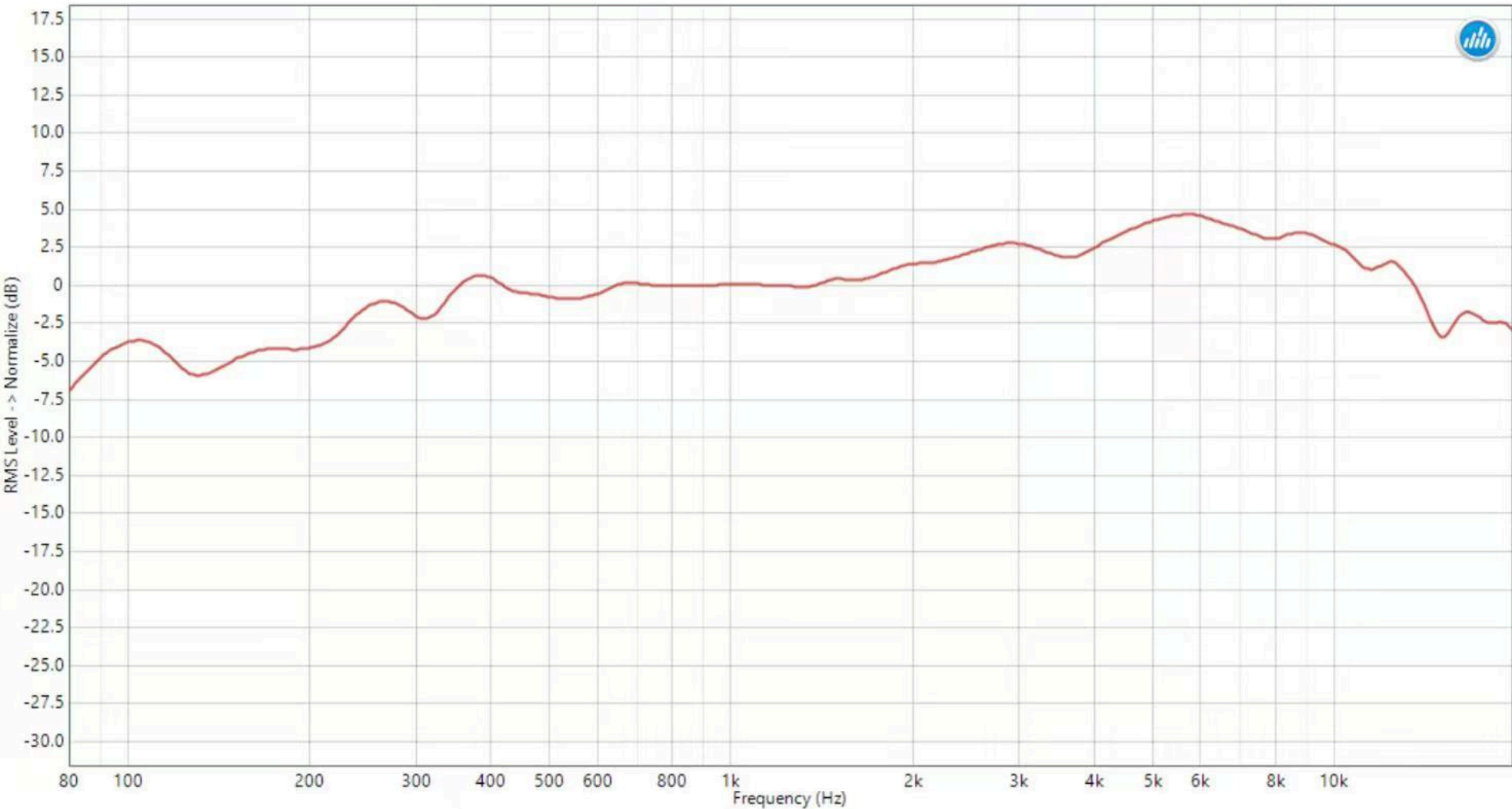
Product Specifications

Function	Specification
Basic	• Product color: White • Product size: 445mm*445mm*57.5mm • Product net weight: <3KG • Power supply : PoE+ power supply • Installation: Suspension
Audio performance	• Available pickup zones: 8 (4 Teleconference + 4 Voice Lift) • Sample rate: 48kHz • Pickup area type: Configurable • Maximum background noise rejection: 35dB • AI noise reduction: Support • AI reverb suppression: Support • AI whistling suppression: Support • AI echo cancellation: Support • AI full duplex: Support • Mix channels: Support • Smart mix: Support • Latency (with ClearSpeakAI) : 25ms • Latency (without ClearSpeakAI) : 4ms • Voice lift gain: >12 dB
Microphone	• Microphone type: 32-mic MEMS array • Microphone sensitivity: -38 dBV/94 dB SPL @ 1 kHz • Microphone frequency Response: 20 Hz – 20 kHz • Dynamic range: 84 dBA • Maximum SPL: 104 dB SPL • Signal-to-Noise ratio: 73.9dB@1kHz, 94dB SPL A-Weighted • Device sensitivity: -10.22 dBFS/Pa @ 1 kHz • Device frequency response: 100 Hz – 15 kHz
Cascade function	• Cascade limit: Support 2 cascade between MC08, unlimited cascade with MC10 series

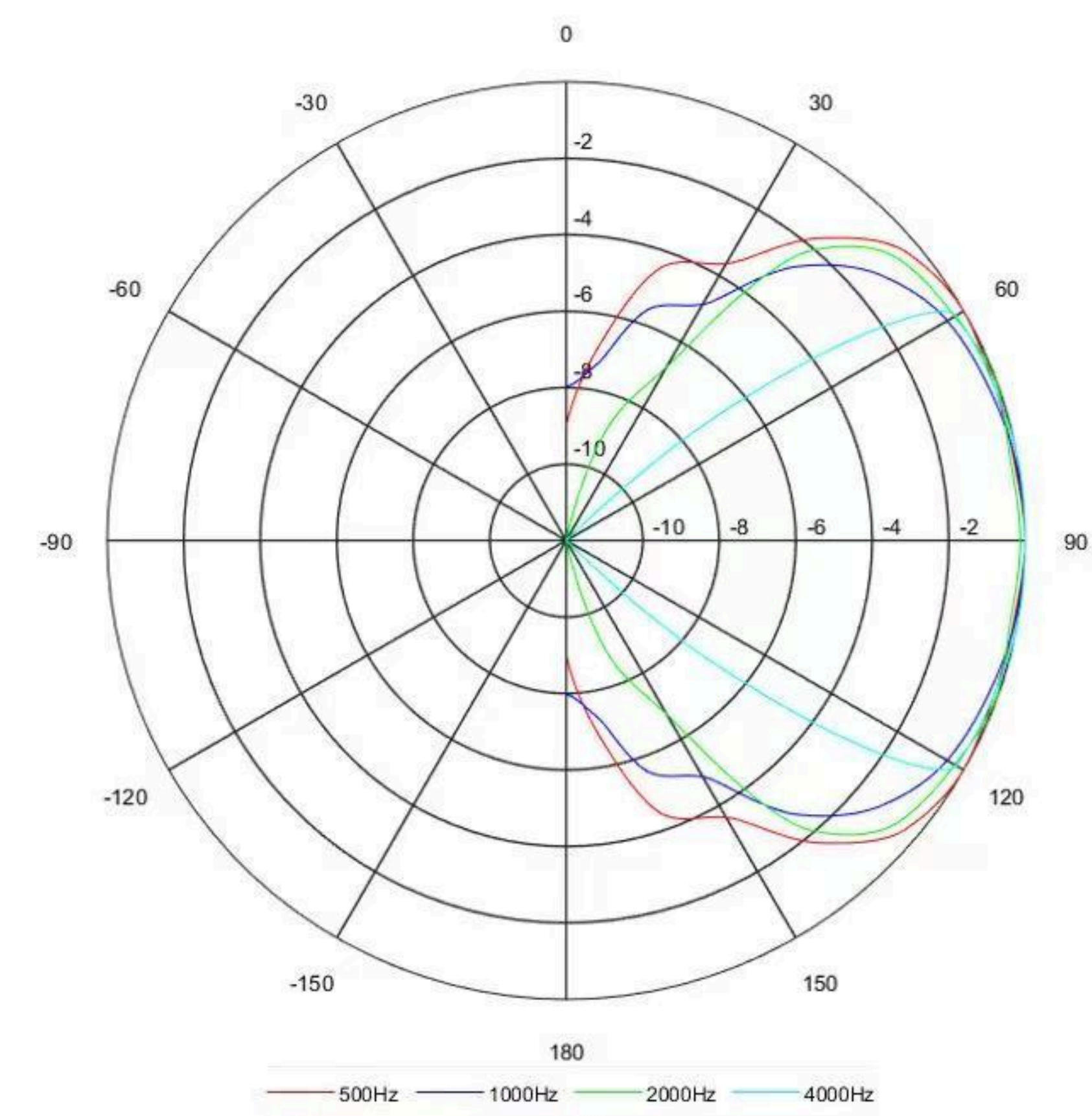
Product Specifications

Function	Specification
Dante audio	• Dante audio: Support • Remote conference channel: 1 • Local reinforcement channel: 1
Interfaces&Button	• Dante/PoE network port: 1 • XLR male: 1 • XLR female: 2 • USB type-C: 1 • RESET button: 1
Other	• Operating temperature: 0°C to 40°C • Storage temperature: -20°C to +70°C • Operating / Storage humidity: 20% to 95% RH • Power consumption: 12W • Certifications : FCC、 CE

Audio Performance

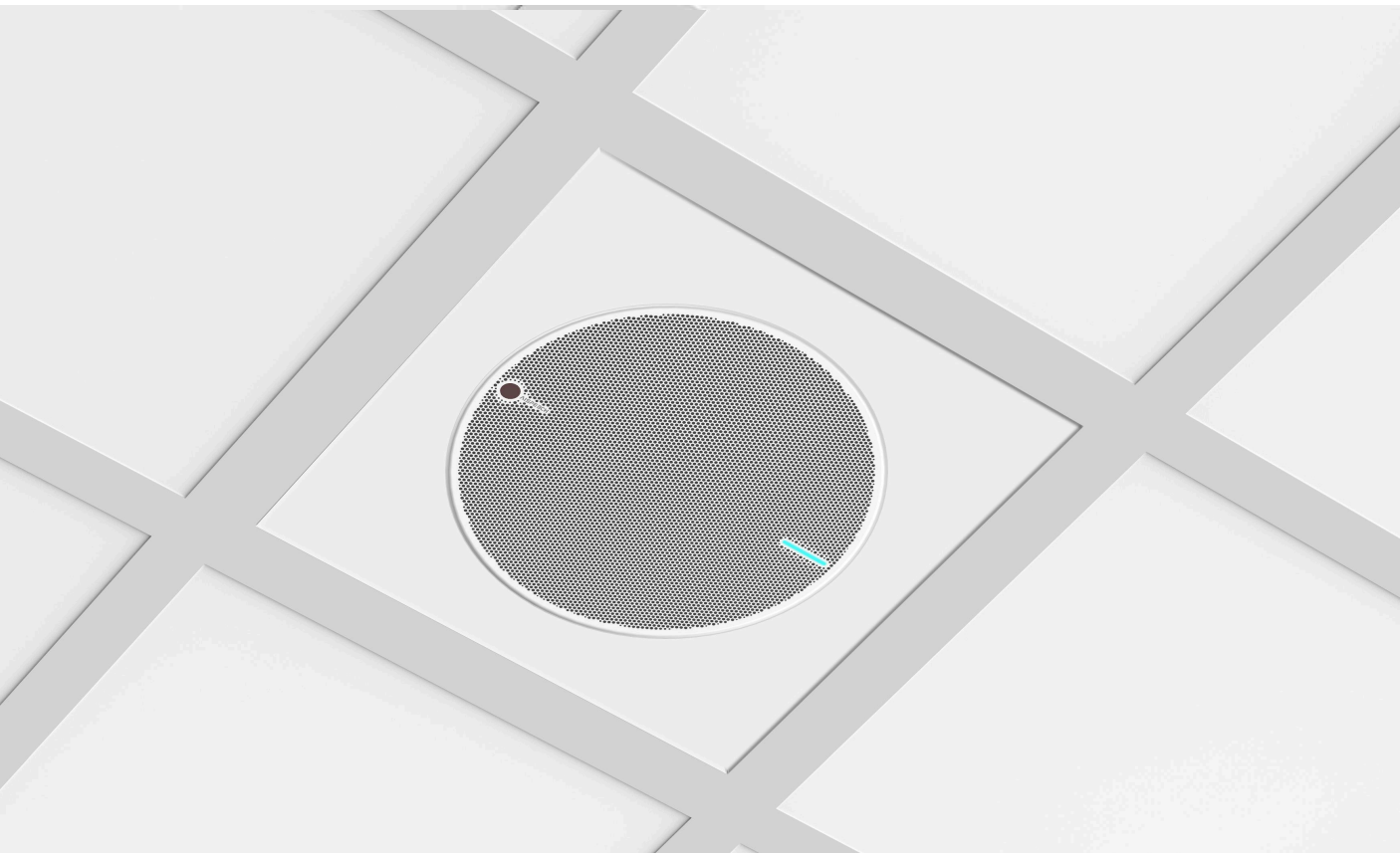


Frequency Response Curve

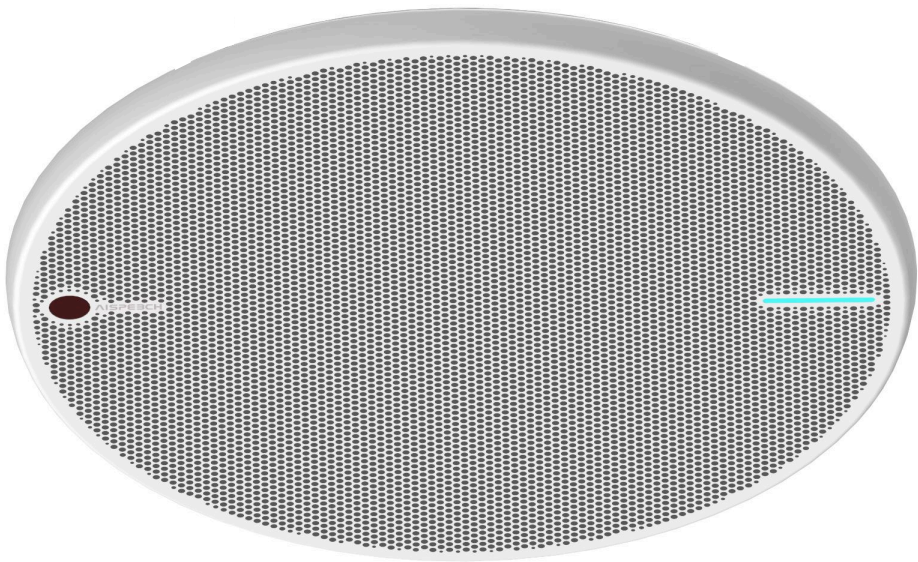


Polar Diagram

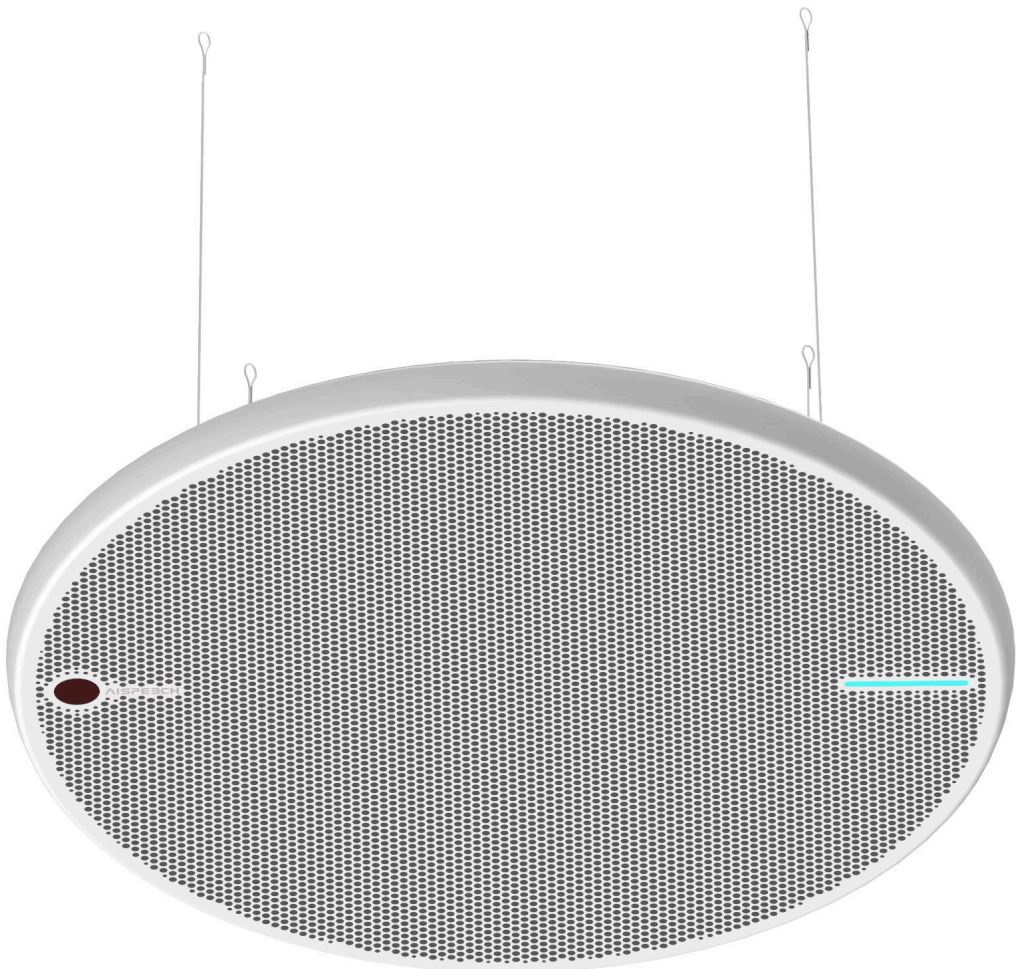
Installation methods



Method 1: Flush mounted in the ceiling



Method 2: Surface mounted mounted under the ceiling



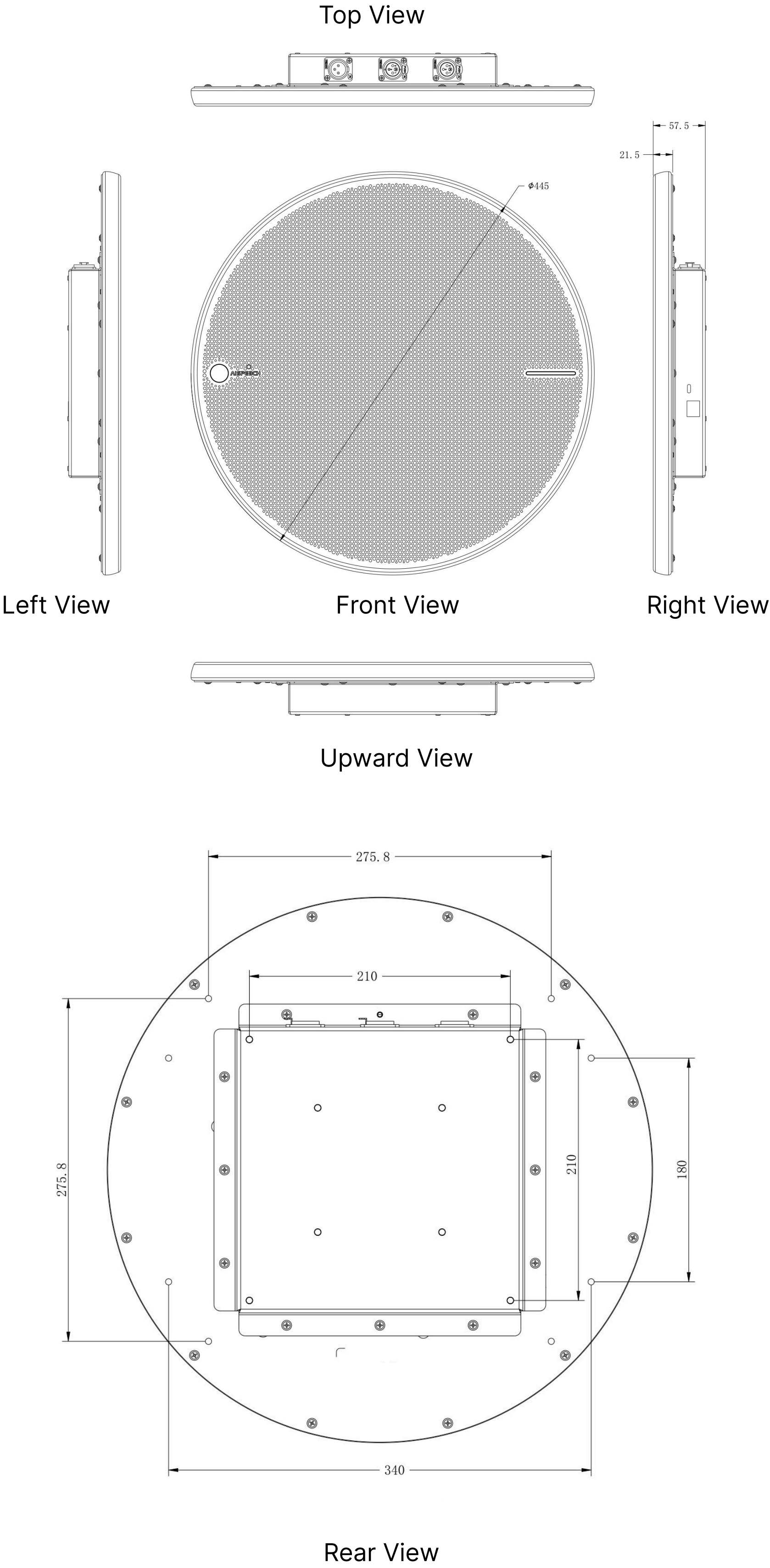
Method 3: Wire rope suspended under the ceiling



Method 4: Suspended rod installation below the ceiling

External Dimension

Unit: mm



Selection Guide

This section provides selection guidance for this product, enabling quick configuration of complete conference audio-visual solutions.

Category	Model
DSP	- AIDAP-DP88 - AIDAP-DP44
Camera	- AIVIS-C60 - AIVIS-C40T
AI Box	AIVIS-MT100
Adapter	- AIDIO-DU44 - AIDIO-DU11
Desk Button	AIMIC-B100