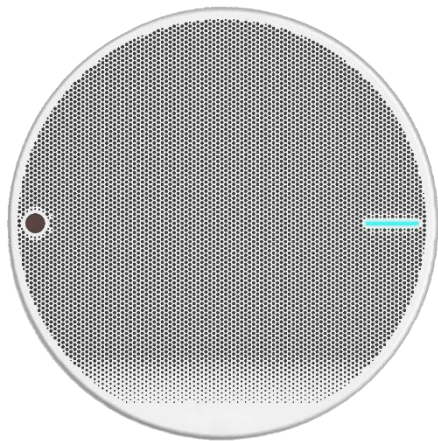




PeopleLink AOE | Ceiling Tile Mic Mini (R32)



PeopleLink AOE | Ceiling Tile Mic Mini (R32) is a high-end ceiling microphone developed by PeopleLink, designed to meet diverse needs across various professional scenarios. In enterprise meeting environments, it seamlessly integrates remote conferencing and local audio reinforcement. In educational settings, it excels in lecture audio recording, classroom amplification, and remote teaching, offering a comprehensive solution for modern communication and teaching requirements. It integrates up to 32 units of omnidirectional microphone array, providing 8 independent configurable pickup zones for refined pickup configuration. It adopts Dante digital audio technology to ensure stable audio transmission and wide compatibility. Ceiling Tile - 32 Mics per tile incorporates AI algorithms, providing functions such as AI noise reduction suppression, AI reverberation suppression, AI feedback suppression, and AI echo cancellation, effectively improving meeting efficiency. Ceiling Tile - 32 Mics per tile can be installed using suspension mount, VESA mount, or flush mount, and supports PoE power supply, meeting various installation requirements for conference spaces

Key Features

- **High Configuration, High Performance**

The 32-microphone array enables the creation of more beams, capturing finer sound details. The dual-channel design allows independent adjustment of local amplification and remote call sound effects, catering to the specific needs of different scenarios. It uses 48kHz 24-bit high-definition sampling to make the collected sound more faithful.

- **Intelligent Pickup for Remote Audio**

The maximum pickup radius is 4.5m (depending on the reverb time of the actual scene).

Key Features

A single Ceiling Tile - 32 Mics per tile is recommended for meeting spaces of up to 40m². The Ceiling Tile - 32 Mics per tile offers tailored AI noise reduction models for both educational and meeting environments. In teaching scenarios, it preserves the sense of the environment while selectively suppressing unwanted noise. In meetings, it enhances voice clarity and reduces the impact of room reverberation. In certain situations, the Ceiling Tile - 32 Mics per tile's Quiet Zone feature helps block voice interference during remote calls or teaching recordings, improving communication and recording efficiency.

- **Microphone with Ultra-Low Latency**

The Ceiling Tile - 32 Mics per tile mixing output (including Clear Speak AI processing) has a delay of <30ms. Ceiling Tile - 32 Mics per tile features built-in local sound reinforcement capability, capable of achieving at least 10dB of local sound reinforcement while ensuring sound quality. Additionally, Ceiling Tile - 32 Mics per tile can automatically implement AI-AFC algorithm processing without the need for an audio processor, ensuring high-fidelity local sound reinforcement.

- **Customized Pickup Zones**

With a dedicated configuration tool, the Ceiling Tile - 32 Mics per tile supports flexible configuration of 4 conversation pickup zones and 4 reinforcement pickup zones. The conversation pickup zones can also be set as mute zones to block human voices within those areas.

Here's an explanation of the purpose of these pickup zones using a classroom scenario:

- **Reinforcement pickup zones (Teaching)**

High isolation, covering the entire lectern area with seamless reinforcement, while effectively blocking interference from the student area.

- **Conversation pickup zones (Recording/Remote Teaching)**

Utilizes AI audio algorithms to ensure high-definition voice capture of the teacher across the entire lectern area, while suppressing ambient noise.

- **Mute Zone (Recording/Remote Teaching)**

Up to 20dB voice suppression to block interference from the student area.

- **Spatial DOA, Linked Camera Tracking**

Ceiling Tile - 32 Mics per tile, with its sophisticated beam forming technology, can accurately locate the spatial direction of speakers. A single Ceiling Tile - 32 Mics per tile can support up to 36 spatial coordinates. Using the Ceiling Tile - 32 Mics per tile configuration software, spatial coordinates and camera presets can be linked to achieve collaborative operation.

General Specifications

Basic Spec

Product Color : White

Product Size : 445mm x 445mm x 57.5mm

Net Weight : 3KG

Power Supply : PoE+

Installation Method : Pole mount

Mic Spec

Mic Type : 32-unit MEMS microphone array

Sensitivity : -38dBv/94dB SPL @1KHz

Signal-to-Noise Ratio : 65dBv/94dB SPL@1KHz,
A-weighted

Dante

Number of Channels : 2 x 2

**Remote Meeting/Local Sound Reinforcement
Channels :** 1/1

Audio Performance

Remote Conversation Pickup Zones : 4

Local Sound Reinforcement

Pickup Zones : 4

*Camera Tracking requires additional DSP + Controller.

Sampling Rate : 48kHz

Maximum Background

Noise Suppression : 35dB

AI Noise Reduction Suppression : Support

AI Reverberation Suppression : Support

AI Feedback Suppression : Support

AI Echo Cancellation : Support

**Delay (Automatic Mixing Output,
Including Dante) :** <30ms

Cascade

Cascade Quantity : 2

Interface

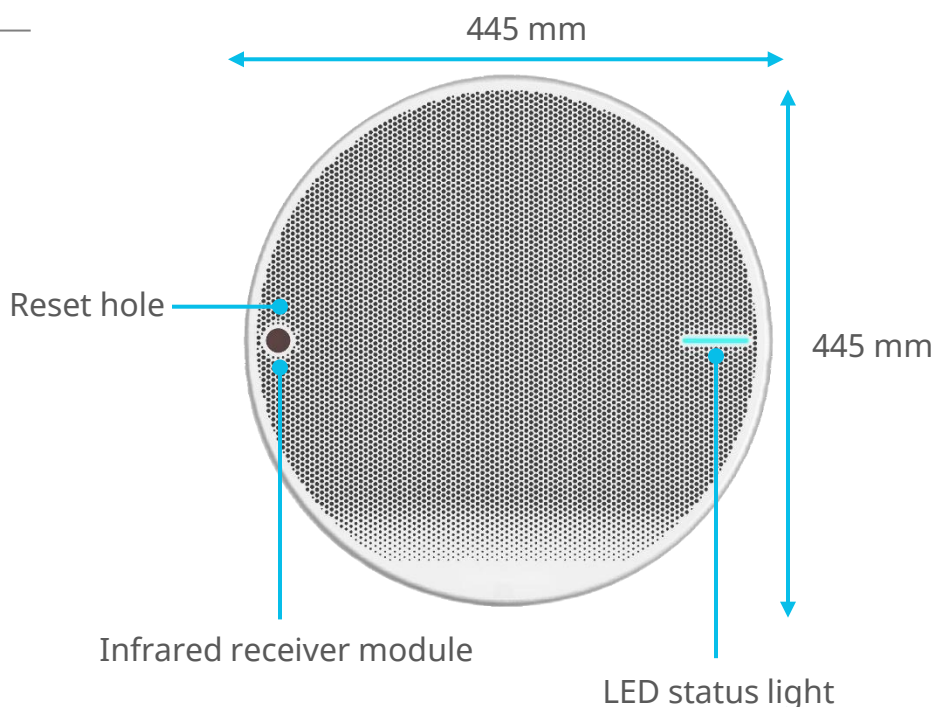
RJ45 Port : 1 (Dante Audio Transmission,
PoE)

XLR male connector : 1

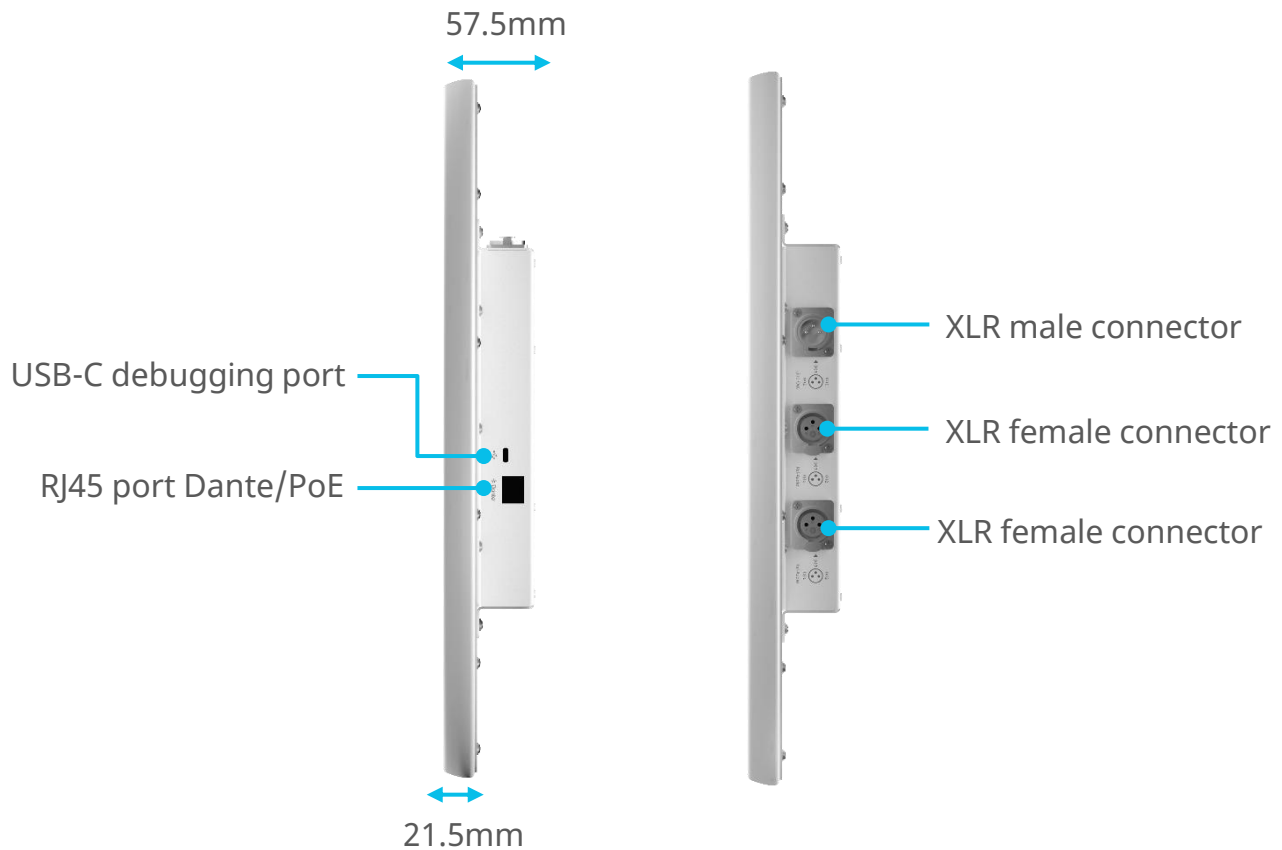
XLR female connector : 2

Reset Button : 1

Product Dimensions



Product Dimensions



Ordering Information

PeopleLink AOE | Ceiling Tile Mic Mini (R32) : PPL-DNT-MIC-02

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