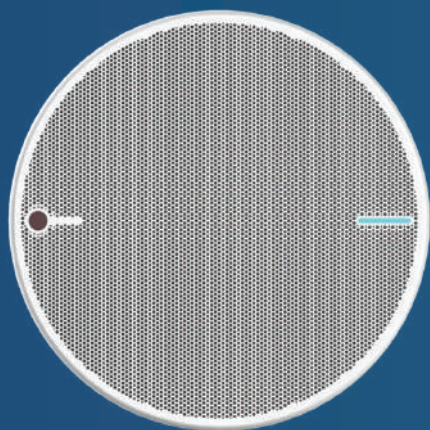




TREND AI Ceiling Conference Microphone



Adaptable Various Teaching Scenarios

Sound reinforcement and pickup occur simultaneously for both in-person and online classes.



Patented AI Noise Reduction Algorithm

Utilizes advanced, patented AI technology for noise suppression, reverberation cancellation, and echo cancellation, delivering crystal-clear audio.



Speech Coverage & Technology

Features 32 microphone arrays for comprehensive sound capture. Provides a pickup radius of 4.5 m and a maximum coverage area of 40m² per unit.



Audio and Video Tracking

The system performs image tracking based on the Sound source, ensuring that the speaker always remains in the video frame.



Connectivity

Compatible with multiple digital and analog modes, making it easy to connect and integrate with various other devices.



Customization & Tracking

Offers 8 independent and configurable pickup zones, allowing for precise sound capture management.

Specifications

Basic Specifications

Product color

White

Product size

445mm*445mm*57.5mm

Package size

680mm*680mm*160mm

Package net weight

<3 kg

Power supply

PoE+powered

Installation

Suspension

Microphones

Microphone type

32-mic MEMS array

Microphone sensitivity

-38 dBV / 94dB SPL @1kHz

Signal-to-noise ratio

73.9 dB(A)

Microphone frequency response

20 Hz ~20,000 Hz

Dynamic range

84 dB(A)

Maximum sound pressure level

104 dB SPL

Device sensitivity

-10.22 dBFS/Pa

Device frequency response

100Hz to 15,000Hz

Model number

CM-32

Dante Audio

Dante audio

Support

Remote conference channel

1

Local reinforcement channel

1

Cascade Function

Number of cascades

Unlimited number

Operations

Working temperature

0°C~40°C

Storage temperature

-20°C~+70°C

Operating/storage humidity

20 to 95% RH

Power consumption

15W

Audio Performance

Available pickup zones

8 (4 teleconference + 4 voice lift)

Sampling rate

48kHz

Pickup area type

Configurable

Background noise suppression

35 dB

AI noise reduction suppression

Support

AI reverb suppression

Support

AI whistling suppression

Support

AI echo cancellation

Support

AI full duplex

Support

Mix channels

Support

Smart mix

Support

Delay

25ms

Interface

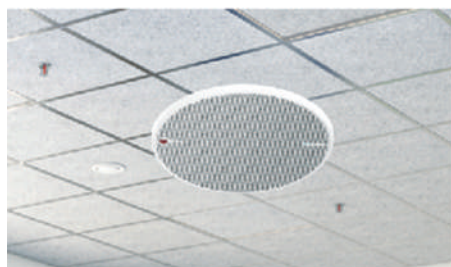
Dante/PoE network port

1

RESET button

1

Installation Methods



Flush installation in the ceiling grid

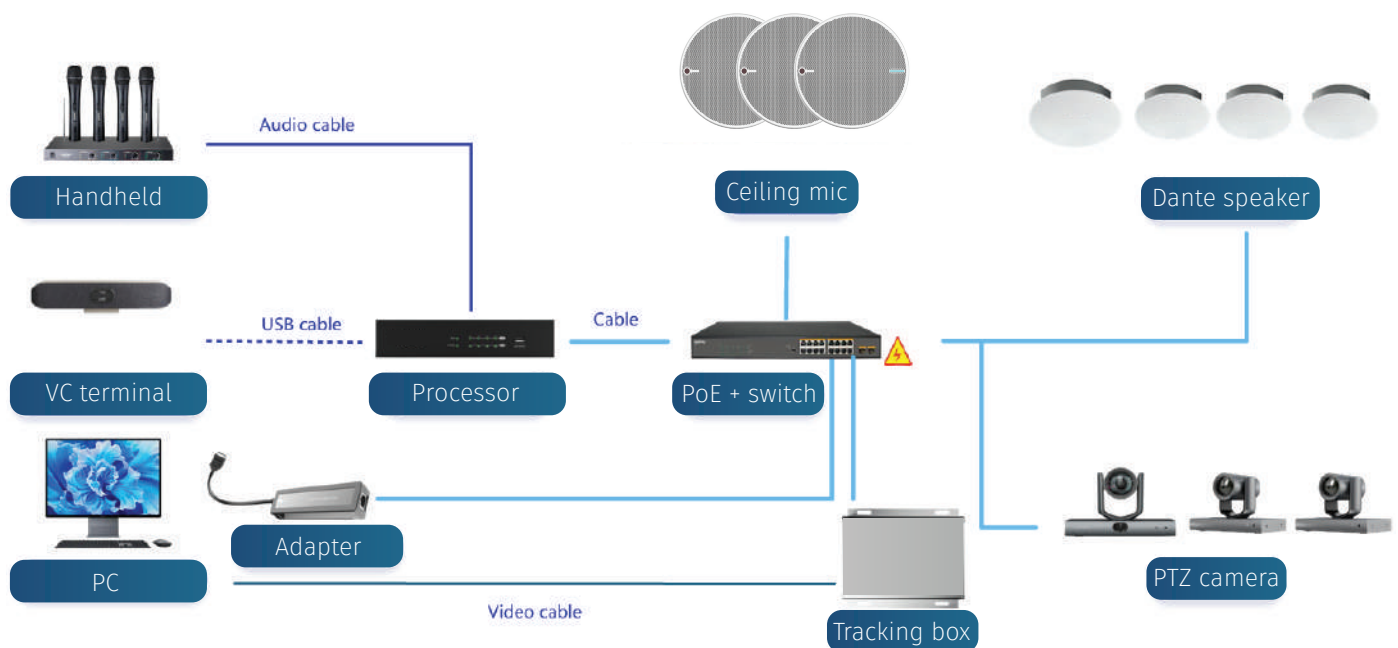


Suspending with steel rope below the ceiling



Installation with poles below the ceiling

Connectivity Diagrams



Applications



Smart Boardrooms



Smart Classrooms

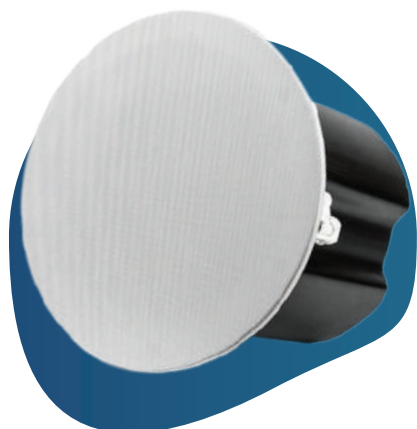


Smart Auditoriums



Smart Meetingrooms

Ceiling Microphone Related Products



Dante PoE Speaker

A full-range, coaxial speaker with built-in amplification and DSP, powered easily via PoE.



Dante Audio Adapter

A simple, plug-and-play adapter to quickly connect PCs or hosts to the Dante network.



Dante Audio Processor (8x8)

A large-scale audio processor (8x8 Analog/Dante I/O) suitable for large spaces and complex sound reinforcement.

Dante Audio Processor (4x4)

A smaller audio processor (4x4 Analog/Dante I/O) recommended for medium-sized rooms and classrooms.



Stepwell Smart Solutions (SSS) is the creator of TREND interactive technology that helps the world, interact and share content. The company's products are utilized by organizations of all sizes, with multiple users across the globe. For more information on Stepwell, please visit www.stepwellsmartsolutions.com