



iSpeaker CM360

Ceiling Microphone



Voice
Recognition



AI
Algorithm



Noise
Cancellation



Vocal
Enhancement



Full
Duplex



What is the iSpeaker CM360?

The **iSpeaker CM360** is a high-end ceiling conference microphone developed by INFOBIT AV. It integrates up to 128 units of omnidirectional microphone arrays, providing 16 independent configurable pickup zones. It adopts **Dante** digital audio technology to ensure stable audio transmission and wide compatibility. The **iSpeaker CM360** 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.

The **iSpeaker CM360** can be installed by suspension mount, pole mount, or ceiling grid methods, and supports **PoE** power supply, ideal for various installation applications in conference spaces.

SCENARIOS



High-end conference rooms

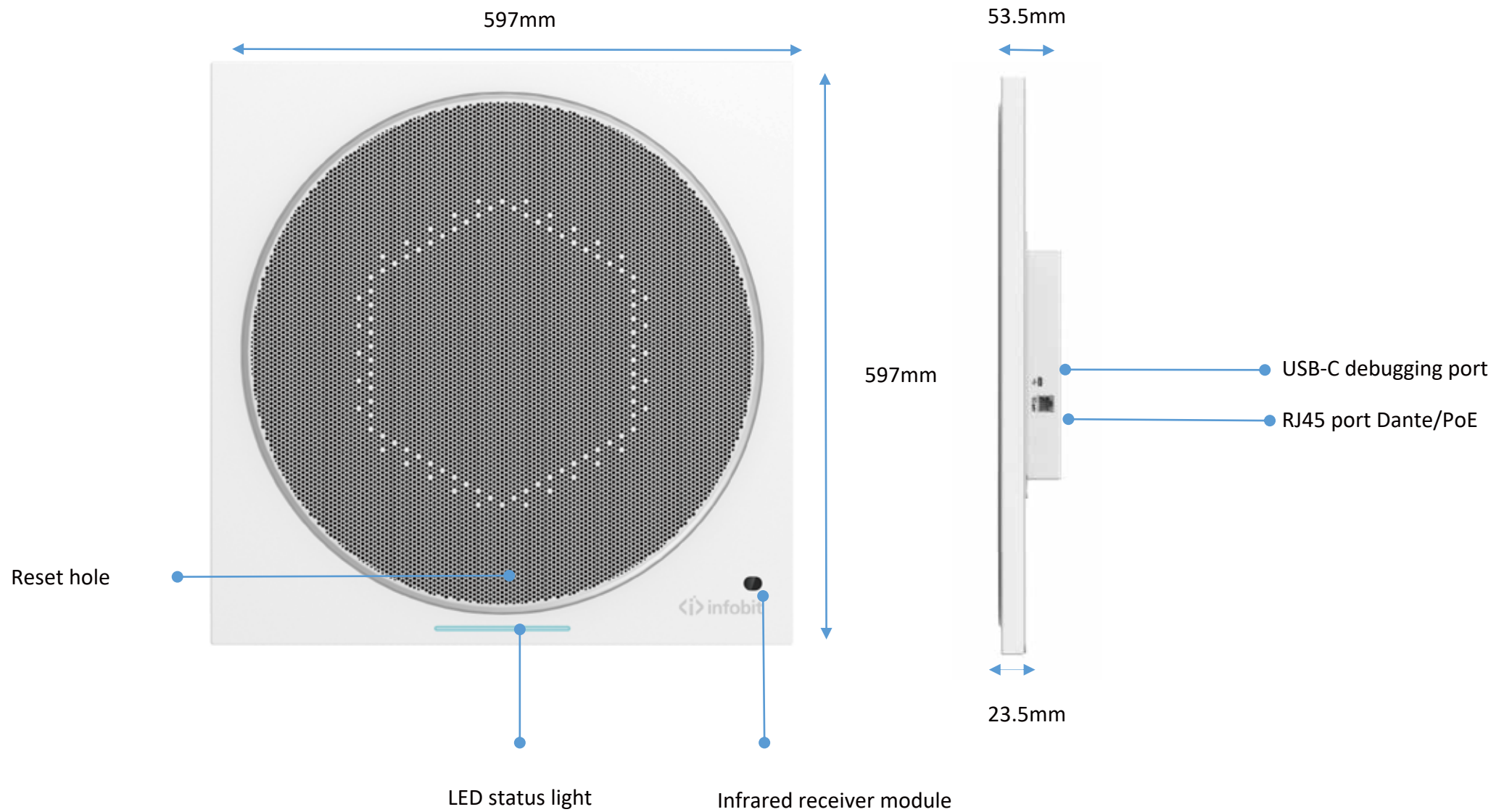


Training & interactive spaces



Auditoriums

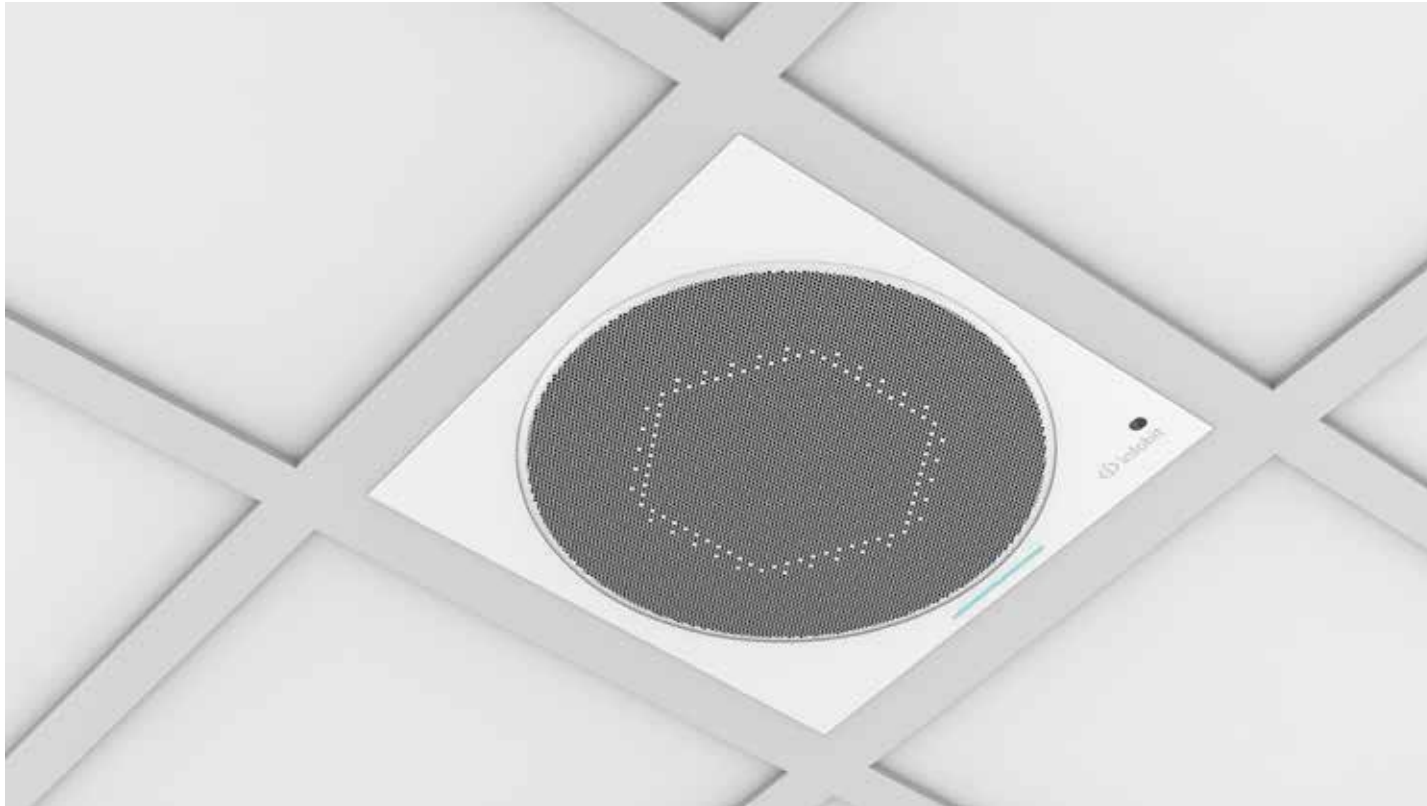
iSpeaker CM360 interfaces



VARIOUS INSTALLATIONS



Ceiling grid



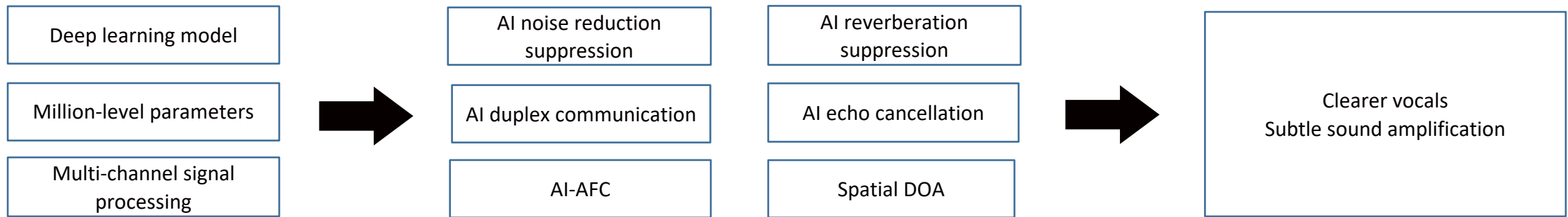
Suspension mount



Pole mount

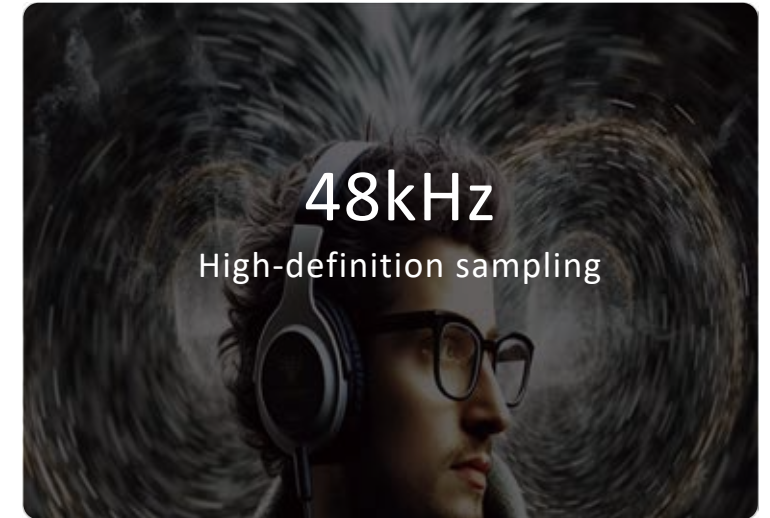
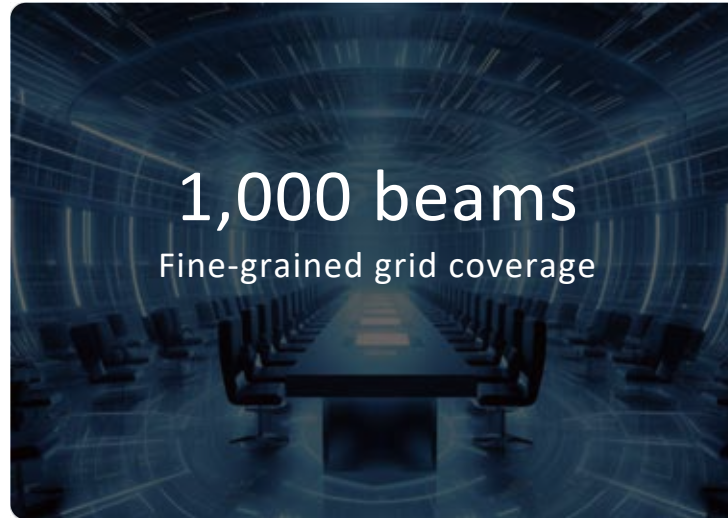


INFOBIT ClearSpeakAI Technology



FEATURES

High-end Mic



The 128-microphone array can achieve more accurate directional beams, thereby realizing grid coverage of nearly a thousand beams. It uses 48kHz 24-bit high-definition sampling to make the collected sound more faithful.

FEATURES

Intelligent Pickup



The maximum pickup radius is **8m** (depending on the reverb time of the actual scene). A single **iSpeaker CM360** is recommended for meeting spaces of up to **60m²**. The **iSpeaker CM360** can provide nearly a thousand virtual pickup beams and can prioritize selecting two pickup beams with the best audio quality for the far end. It can selectively pick up sound within the pickup area, effectively suppressing interfering sound sources outside the pickup area, thus enhancing meeting efficiency.

FEATURES

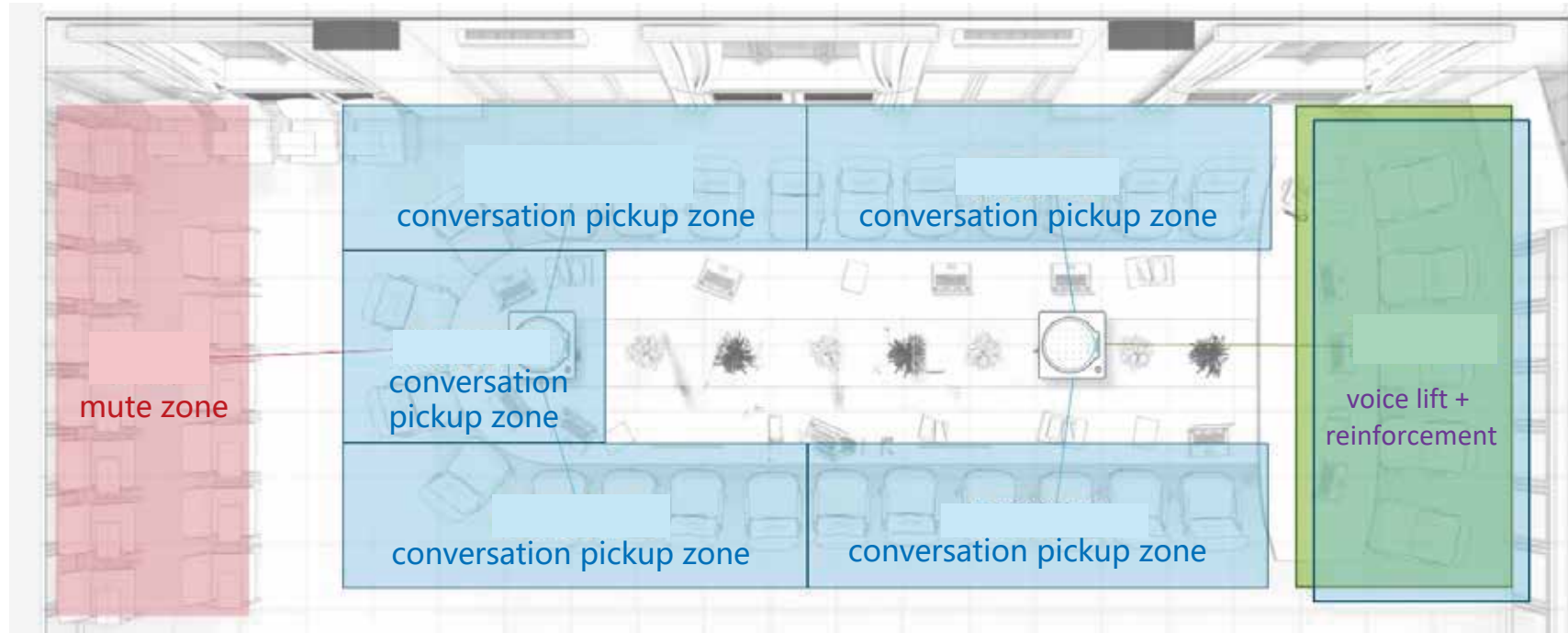
Ultra-low Latency Microphone



The **iSpeaker CM360** mixing output (including ClearSpeakAI processing) has a delay of **<30ms**. The **iSpeaker CM360** features built-in local sound reinforcement capability, capable of achieving at least **10dB** of local sound reinforcement while ensuring sound quality. Additionally, the **iSpeaker CM360** can automatically implement **AI-AFC** algorithm processing without the need for an audio processor, ensuring high-fidelity local sound reinforcement.

FEATURES

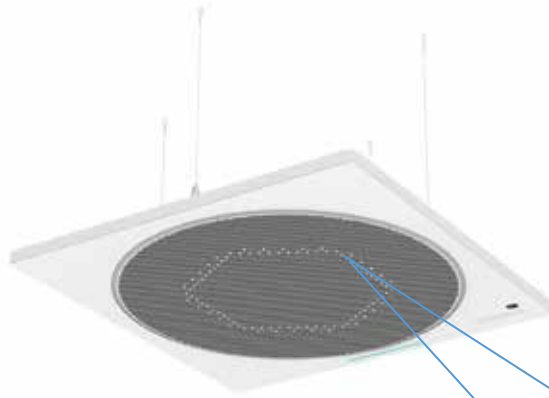
Customized Pickup Zones



- Through the complimentary configuration software provided by the **iSpeaker CM360**, **8x conversation pickup zones** and **8x voice lift + sound reinforcement pickup zones** can be finely configured.
- The audio collected by the **conversation pickup zone** can be processed by AI noise reduction and AI reverberation suppression to transmit clearer voice to far-end devices in video conferencing.
- The audio collected by the **voice lift and sound reinforcement pickup zone** is processed by AI reverberation suppression and AI gain adjustment to be amplified through local speakers. The sound is then processed by the **iSpeaker CM360** through **AI-AFC** to achieve high-fidelity sound reinforcement effects.
- **Mute zone**: A mute zone can be set to suppress unnecessary sound interference from noise sources such as tea break areas.

FEATURES

Spatial DOA Linked Camera Tracking



Spatial DOA

Precise positioning of speakers; a single iSpeaker CM360 can distinguish 36x positions



Multi-camera Linkage

Precise capturing of speakers

The **iSpeaker CM360**, with its sophisticated beam forming technology, can accurately locate the spatial direction of speakers. A single **iSpeaker CM360** can support up to 36 spatial coordinates. Using the **iSpeaker CM360** configuration software, spatial coordinates and camera presets can be linked to achieve collaborative operation.

FEATURES

Dante Ready



International standard

Simple, compatible, and manageable



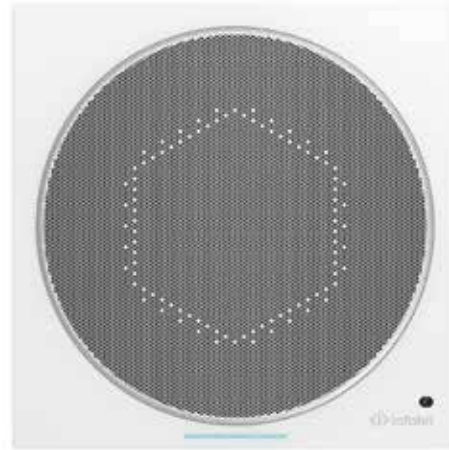
Unlimited cascading quantity

Software-defined audio network

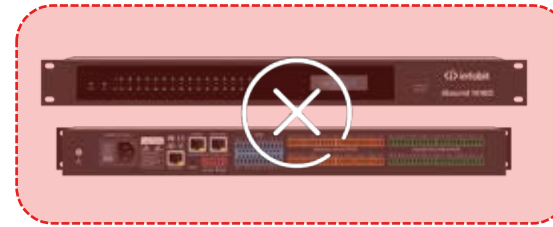
SOLUTIONS #1



USB to Dante
iTrans DU-TR-22B



Ceiling Microphone
iSpeaker CM360



Dante Audio Processor
No need any DSP



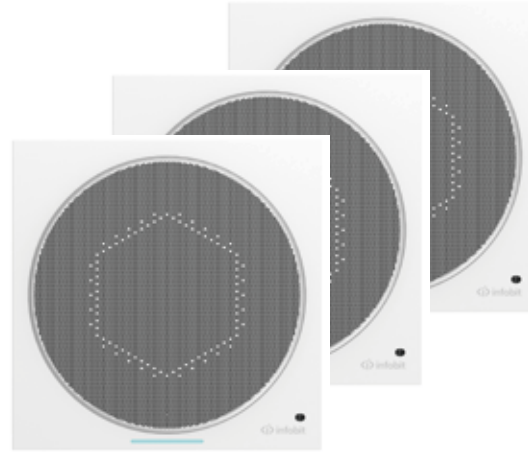
Dante Speaker
iSpeaker DAC6S

A single **iSpeaker CM360** comes with built-in audio algorithms, eliminating the need for an external audio processor, and meeting both remote conferencing and local sound reinforcement needs in hybrid meetings, offering greater cost-effectiveness.

SOLUTIONS #2



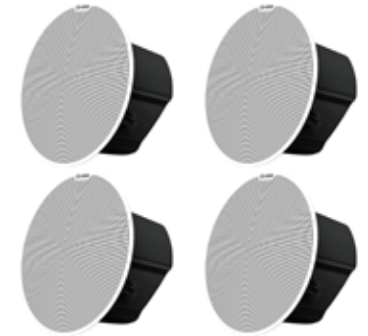
USB to Dante
iTrans DU-TR-22B



Ceiling Microphone
iSpeaker CM360



Dante Audio Processor
iSound 44D, 88D, 1616D



Dante Speaker
iSpeaker DAC6S

When multiple **iSpeaker CM360** units are cascaded, or when considering analog audio device input, the iSound DSP audio processor is required.

FEATURES SUMMARY



128 microphone array

Pickup radius of 8m, and maximum coverage of 60m² per unit

16 exclusive pickup zones

Flexible configuration to meet the needs of various meeting scenarios

AI-powered high-definition noise reduction and echo cancellation

Suppresses over 300 types of background noise

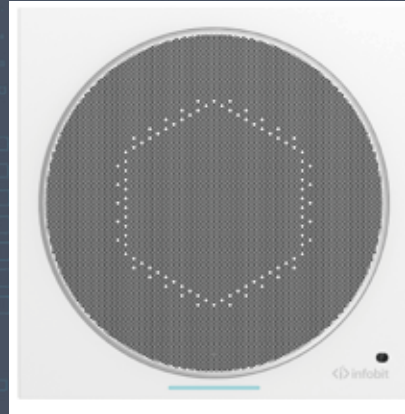
Subtle amplification + Remote conferencing

Compatible with traditional audio for simultaneous local voice amplification and remote conferencing

Linked camera tracking

Precise DOA positioning and speaker tracking with preset camera positions

High-end Ceiling Microphone



A high sampling rate of 48kHz, an ultra-low latency of

<30ms

Captures more details for authentic sound reproduction

Single-unit minimalist sound reinforcement

Built-in AFC, no need for an audio processor for single-unit local sound reinforcement

Dante audio

Dante digital audio transmission, international standard

Unlimited cascading

Unlimited cascading units to meet various large-scale scenarios

Ceiling installation

A sleek and high-end appearance

Visualized sound tuning

Customizable audio settings for tailored configurations

APPLICATIONS

Conferences, Training Hall



High-end Large Conferences

Neat desktops, support both remote conferencing and local voice amplification



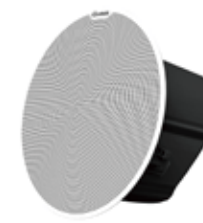
High-end Ceiling Microphone
iSpeaker CM360



Dante Digital Audio Processor
iSound 44D, 88D, 1616D



Dante Audio Adapter
iTrans DU-TR-22B



Dante Speaker
iSpeaker DAC6S



AI Tracking Camera
iCam P11



Interactive Conference Spaces, Training Rooms

Equipment deployment remains unchanged despite frequent indoor layout changes, support both remote meetings and local voice amplification

APPLICATIONS

Exhibition Halls



Corporate Exhibition Halls

Exhibition areas can be flexibly adjusted with custom sound reinforcement zones, ensuring high fidelity and seamless voice amplification.



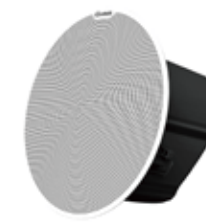
High-end Ceiling Microphone
iSpeaker CM360



Dante Digital Audio Processor
iSound 44D, 88D, 1616D



Dante Audio Adapter
iTrans DU-TR-22B



Dante Speaker
iSpeaker DAC6S



AI Tracking Camera
iCam P11

APPLICATIONS

Education



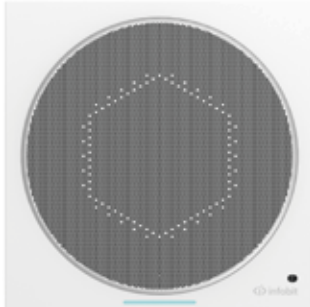
Lecture halls

Simultaneously supporting handheld microphones and local voice amplification to accommodate mixed teaching requirements



Smart classrooms

Equipment deployment remains unchanged despite frequent indoor layout changes, supporting both remote meetings and local voice amplification.



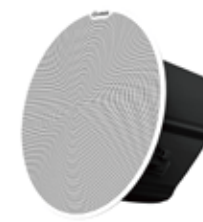
High-end Ceiling Microphone
iSpeaker CM360



Dante Digital Audio Processor
iSound 44D, 88D, 1616D



Dante Audio Adapter
iTrans DU-TR-22B

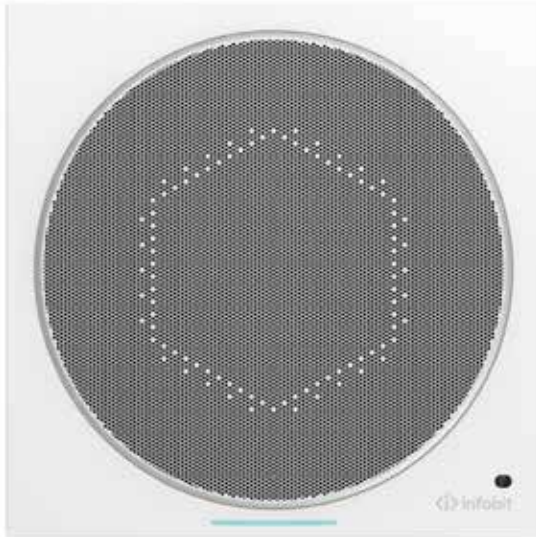


Dante Speaker
iSpeaker DAC6S



AI Tracking Camera
iCam P11

DATASHEET



iSpeaker CM360		
Basic Spec	Product Model	iSpeaker CM360
	Product Color	White
	Product Size	597mm*597mm*53.5mm
	Net Weight	5KG
	Power Supply	PoE
	Installation Method	Ceiling mount
Mic Spec	Mic Type	128-unit MEMS microphone array
	Sensitivity	-38dBv/94dB SPL @1KHz
	Signal-to-Noise Ratio	65dBv/94dB SPL@1KHz, A-weighted
Dante	Number of Channels	2x2
	Remote Meeting/Local Sound Reinforcement Channels	1/1
Audio Performance	Remote Conversation Pickup Zones	8
	Local Sound Reinforcement Pickup Zones	8
	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 Performance	Cascade Quantity	Unlimited
	Cascade Method	Dante audio
Interface	RJ45 Port	1 (Dante Audio Transmission, PoE)
	Reset Button	1

CONTACT US



LONDON, UK

Design team
Local sales team



SINGAPORE

Sales team
APAC center



BEIJING, CHINA

Supply Chain
Development
Warehouse