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AISPEECH Co., Ltd



SmartofficeAV AISpeech

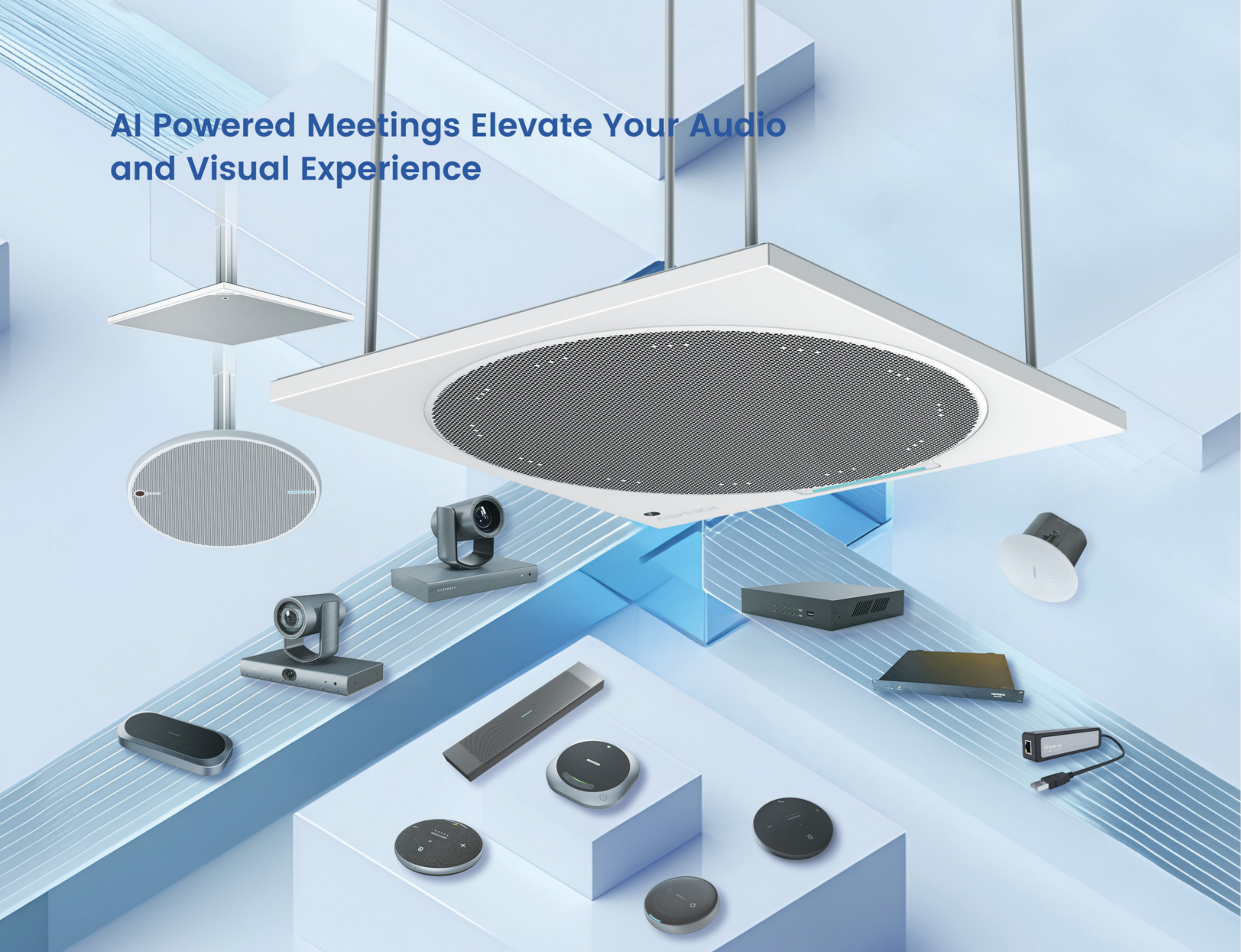
**AISPEECH**

# **PRO AV+AI**

## Digital and Intelligent Solutions



# AI Powered Meetings Elevate Your Audio and Visual Experience



## Company Profile

AISPEECH is a leading enterprise specializing in conversational artificial intelligence platforms. With a mission of “Communicating with everything, managing all things”, the company specializes in developing customized platforms and AI voice chips based on its independently developed end-to-end intelligent dialogue system. AISPEECH focuses on a strategy combining “cloud + chip” technologies, providing integrated AI technology and product services for the Internet of Things (IoT), including smart home appliances, smart automobiles, consumer electronics. This enables ubiquitous intelligent human machine interaction.

## Technical Highlights

### Patented AI Audio Algorithm ClearSpeak AI

- Sound Source Localization
- Echo Cancellation
- Noise Suppression
- Multi-Microphone Array
- 1000-Beam Beamforming
- AI Voice Gain
- AI Dereverberation
- AI Dual-Talk Communication

## Technical Patents

Nearly 100 global original technologies, nearly 700 invention patents



## Cooperative Partner



## Representative Enterprise Cases



## Representative Educational Cases



# Smart and Efficient Solutions for All Business Meeting and Education Classroom Spaces



Medium-sized Meeting Rooms



Large Lecture Hall



Multifunction Classroom



Large Conference Room



Regular Classroom



Medium-sized Meeting Rooms



Small Meeting Rooms



Smart Classroom



## Matrix Array Microphone MA600D

Multi-dimensional deployment and full-space coverage to meet diverse room needs



- Matrix Mic Coverage**  
64 microphone arrays, 1000 beamforming unlimited cascading, pickup radius of 6m
- Customized Sound Pickup Zones**  
24 Independent configurable pickup zones
- Flexible pickup zone strategies\***  
The B100 enables flexible switching of pickup zone strategies to maintain orderly meetings

- 15 ms Voice-Lift Latency**  
delay of <15ms, capable of achieving 18dB of local sound reinforcement
- Patented AI Noise Reduction Algorithm**  
AI noise suppression, AI reverberation cancellation, AI echo cancellation
- Intelligent spatial awareness**  
built-in optical and acoustic sensors enable smart sensing of the space

\* Feature is going to support in 2026 Q1

## Installation Methods



1 Desktop Installation    2 Ceiling Installation    3 Wall Installation    4 Floor Stand Installation

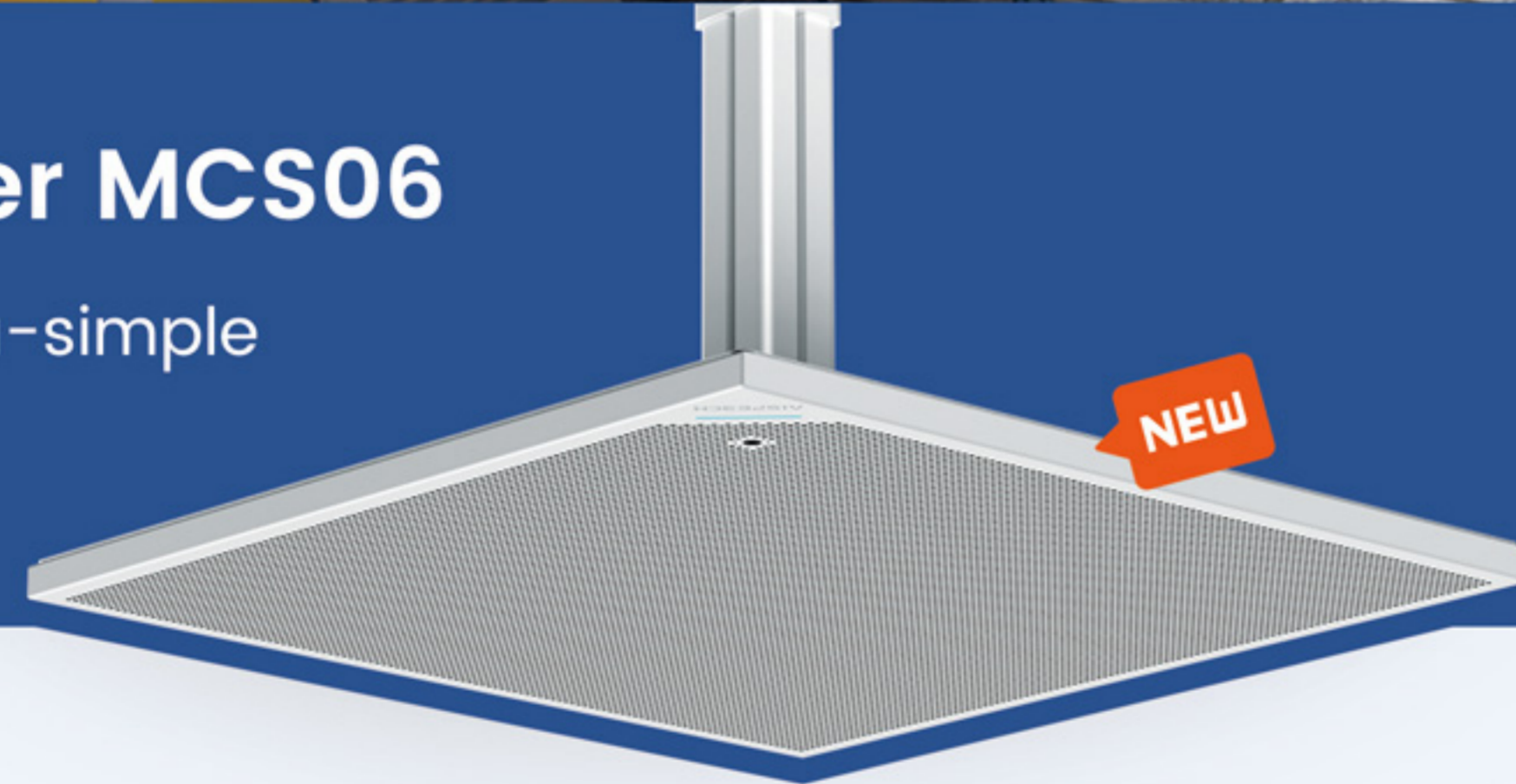
## Product Specifications

Basic	Audio performance
Product Type: AIMIC-MA600D Product Color: Gray Product Size: 505mm*90mm*32.5mm Net Weight: <2kg Power Supply: PoE+ Installation: Suspended, Wall-Mount, Desktop, Floor-Stand Certification: FCC,CE	Available Pickup Zones: 24 Sampling Rate: 48kHz Pickup Area Type: Configurable Maximum Background Noise Suppression: 35dB AI Noise Reduction Suppression: Support AI Reverb Duppression: Support AI Feedback Suppression: Support AI Echo Cancellation: Support AI Full Duplex: Support Mix Channels: Support Intelligent Mixing: Support Latency (without ClearSpeakAI) : 4ms Latency (with ClearSpeakAI) : 15ms Voice Lift : >18dB Dante: Support
Mic Spec	
Microphone Type: 64-mic MEMS array Dynamic Range: 84dBA Maximum SPL: 104dB SPL Signal-To-Noise Ratio: 73.9dB@1kHz, 94dBSPL A-Weighted Sensitivity: -10.22dBFS/Pa Frequency Response: 100Hz - 15kHz	
Sensors	Interfaces & Button
Light Sensor: Supported Gyroscope: Supported	Dante/PoE: 1 Debugging Port: 1 Analog Inputs: 2 Analog Outputs: 2 RESET Button: 1
Cascade Functionality	
Cascade Quantity: Unlimited	
Scene Topologies	



## All-in-One Ceiling Mic-Speaker MCS06

All-in-one pickup and amplification for an ultra-simple spatial audio solution.



**60m<sup>2</sup>Conference Room Audio Pickup Coverage**  
32 microphone arrays, 1000 beamforming unlimited cascading, pickup radius of 6m

**Dual-Unit Acoustic Design for Uniform Coverage**  
Integrated mic-speaker design with dual 15W speakers and mic array forming an optimized acoustic loop

**Automated Dante Routing\***  
Auto Dante routing and self-networking on first power-up for greatly improved setup efficiency

\* Feature is going to support in 2026 Q1

**Patented AI Noise Reduction Algorithm**  
AI noise suppression, AI reverberation cancellation, AI echo cancellation

**4-Zone Custom Pickup & Mute Isolation**  
Four configurable pickup zones for precise speech pickup and targeted noise isolation

**Multi-Platform Support**  
Seamless integration with Tencent Meeting, DingTalk, Lark, Teams, Zoom, and other major platforms.

## Installation Methods



1 Flush installation in the ceiling grid



2 Suspending with steel rope below the ceiling



3 Installation with poles below the ceiling

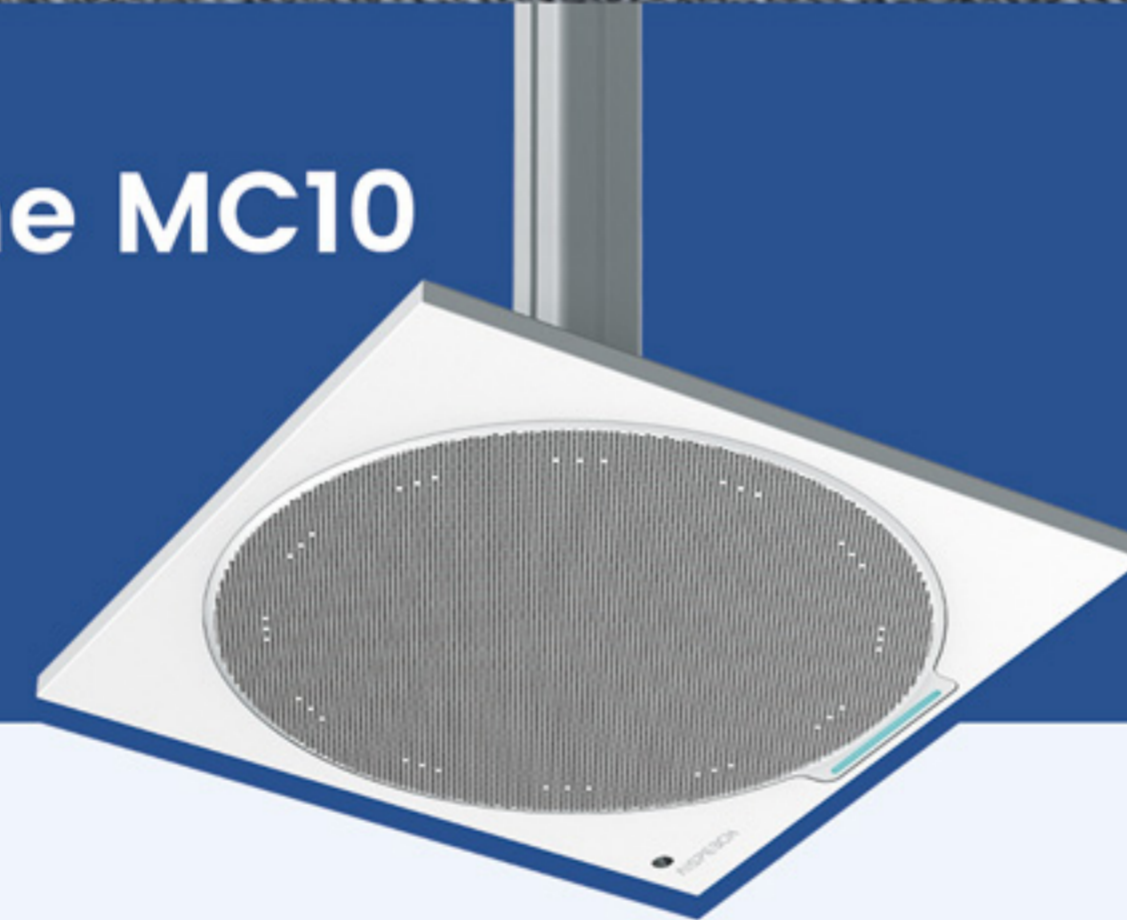
## Product Specifications

Basic	Audio performance
Product Type: AIMIC-MCS06 Product Color: White Product Size: 597mm*597mm*72.5mm Net Weight: <6kg Power Supply: PoE+ Installation: Suspended Certification: FCC,CE	Available Pickup Zones: 4 Sampling Rate: 48kHz Pickup Area Type: Configurable Maximum Background Noise Suppression: 35dB AI Noise Reduction Suppression: Support AI Reverb Suppression: Support AI Echo Cancellation: Support AI Full Duplex: Support Mute Zone Settings: Support Dante Audio: Support
Mic Spec	Cascade functionality
Microphone Type: 32-mic MEMS array Dynamic Range: 84dBA Maximum SPL: 104dB SPL Signal-To-Noise Ratio: 73.9dB@1kHz, 94dB SPL A-Weighted Sensitivity: -10.22dBFS/Pa Frequency Response: 100Hz-15kHz	Cascade Quantity: Unlimited Cascade Method: Dante Audio/PoE Network cable cascade
Speaker	Interfaces&Button
Mid-Woofer: 15W, 1pc Tweeter: 15W, 1 pc Frequency Response: 80Hz-20kHz	Dante/PoE: 1 Debugging Port: 1 RESET Button: 1
Scene Topologies	



## High-End Ceiling Conference Microphone MC10

AI Enhanced Ceiling Microphone for Sound Reinforcement and Remote Meeting



**Large-Space Sound Pickup Coverage**  
128 microphone arrays, 1000 beamforming, unlimited cascading, pickup radius of 8m

**Sound Reinforcement**  
delay of <25ms, capable of achieving at least 12dB of local sound reinforcement

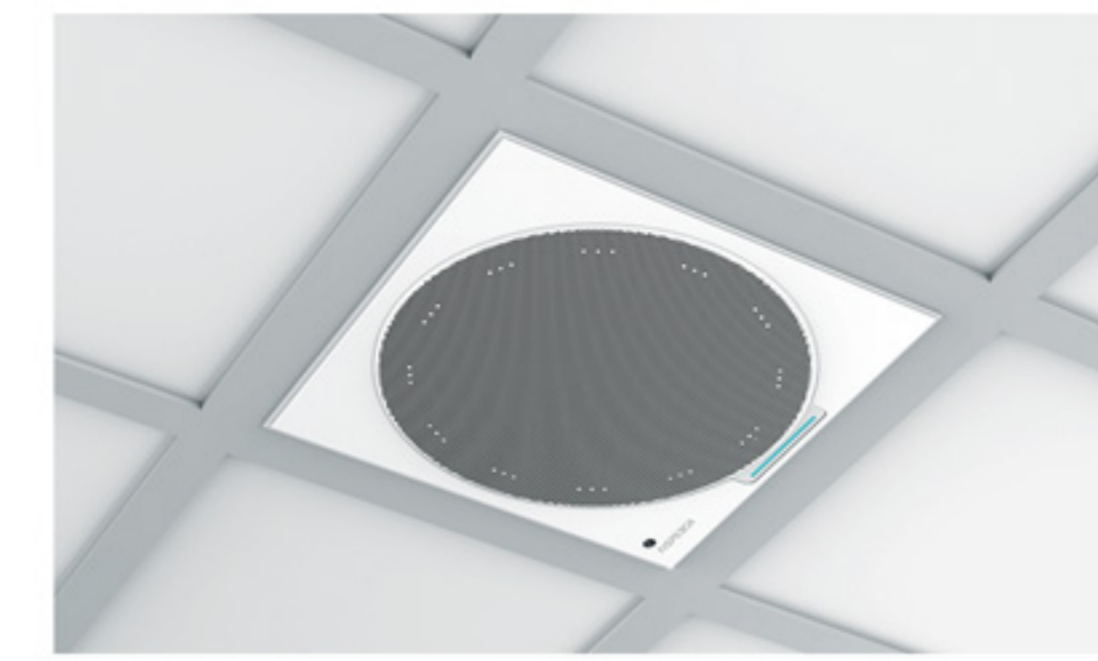
**Patented AI Noise Reduction Algorithm**  
AI noise suppression, AI reverberation cancellation, AI echo cancellation

**High-fidelity Sound Quality**  
48kHz 24-bit high-definition sampling

**Dante Audio**  
International standard, simple compatible and manageable

**Customized Sound Pickup Zones**  
16 Independent configurable pickup zones, priority pickup to prevent interruption

## Installation Methods



1 Flush installation in the ceiling grid



2 Suspending with steel rope below the ceiling



3 Installation with poles below the ceiling

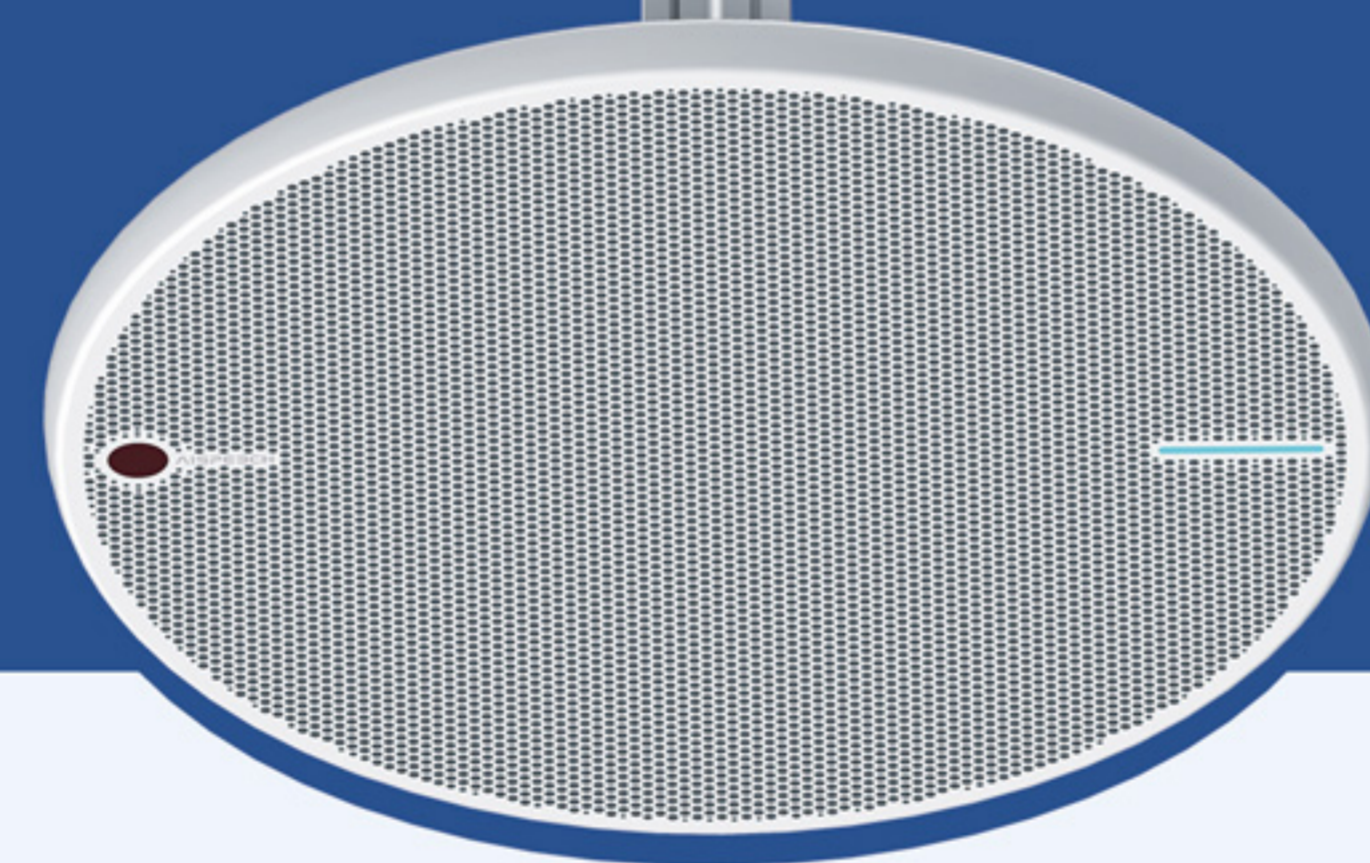
## Product Specifications

Basic Spec	Audio Performance
Product Model: AIMIC-MC10 Product Color: White Product Size: 597mm*597mm*54mm Packaging Dimensions: 726mm*720mm*160mm Net Weight: <5KG Power Supply: PoE Installation Method: Ceiling mount Certification: FCC,CE	Available Pickup Zones: 16 Sampling Rate: 48kHz Pickup Area Type: Configurable Maximum Background Noise Suppression: 35dB AI Noise Reduction: Support AI Reverb Suppression: Support AI Feedback Suppression: Support AI Echo Cancellation: Support AI Full Duplex: Support Mix Channels: Support Intelligent Mixing: Support Latency (with ClearSpeakAI) : 25ms Voice Lift: >12dB
Mic Spec	Cascade Functionality
Microphone Type: 128-mic MEMS array Dynamic Range: 84dBA Maximum SPL: 104dB SPL Signal-to-Noise Ratio: 73.9dB@1kHz, 94dB SPL A-Weighted Sensitivity: -10.22dBFS/Pa Frequency Response: 100Hz - 15kHz	Cascade Quantity: Unlimited Cascade Method: Dante Audio/PoE Network cable cascade
Dante	Interfaces & Button
Dante Audio: Support Remote Conference Channel: 1 Local Sound Reinforcement Channel: 1	Dante/PoE Network Port : 1 RESET Button: 1 Debugging Port: 1
Scene Topologies	



## High-End Ceiling Microphone MC08

Easy to Use Education Solutions for New Inspiration to the Classroom



**Adapt Variety Teaching Scenarios**  
Sound reinforcement and pickup are simultaneous at In-person and online class

**Customized Sound Pickup Zones**  
8 Independent configurable pickup zones

**Audio and Video Tracking**  
Image is tracked according to the sound, and the speaker remains in the frame

**Speech Area Pickup Coverage**  
32 microphone arrays, pickup radius of 4.5m, and maximum coverage of 40m<sup>2</sup> per unit

**Patented AI Noise Reduction Algorithm**  
AI noise suppression, AI reverberation cancellation and AI echo cancellation

**Both Digital and Analog Audio**  
Compatible with multiple modes and easy to connect with other devices

## Installation Methods



1 Flush installation in the ceiling grid



2 Suspending with steel rope below the ceiling



3 Installation with poles below the ceiling

## Product Specifications

Basic Spec	Audio Performance
Product Model: AIMIC - MC08 Product Color: White Product Size: 445mm×445mm×57.5mm Net Weight: 3KG Power Supply: PoE+ Installation Method: Ceiling mount Certification: FCC,CE	Available Pickup Zones: 8 Sampling Rate: 48kHz Pickup Area Type: Configurable Maximum Background Noise Suppression: 35dB AI Noise Reduction: Support AI Reverb Suppression: Support AI Feedback Suppression: Support AI Echo Cancellation: Support AI Full Duplex: Support Mix Channels: Support Intelligent Mixing: Support Latency (with ClearSpeakAI) : 25ms Voice Lift: >12dB
Mic Spec	Cascade Functionality
Microphone Type: 32-mic MEMS array Dynamic Range: 84dBA Maximum SPL: 104dB SPL Signal-To-Noise Ratio: 73.9dB@1kHz, 94dB SPL A-Weighted Sensitivity: -10.22dBFS/Pa Frequency Response: 100Hz - 15kHz	Cascade Quantity: 2
Dante	Interfaces&Button
Dante Audio: Support Remote Conference Channel: 1 Local Sound Reinforcement Channel: 1	RJ45 Port: 1 (Dante Audio Transmission, PoE) XLR Male Connector: 1 XLR Female Connector: 2 Reset Button: 1 Debugging Port: 1
Scene Topologies	

## Ceiling Microphone Related Products



### Desk Button B100 NEW

Chairman Conference Unit, Mute Conference Unit

Enables seamless, imperceptible switching of microphone pickup strategies to maintain speaking order and information security, while supporting wired PoE connection for reliable deployment.

### Dante Speaker DC20

Full-range coaxial speakers, independent design of high and low units

It features built-in power amplifiers and digital signal processing modules, 360-degree rotatable tweeter and pursuit of high-quality sound quality.



### Dante Audio Adapter DU11

Simple to use and easy to deploy

It designed to connect personal computers or conference hosts to a Dante audio network without the need for software installation.

### Dante Digital Signal Processor DP88

Analog and digital, suitable for large spaces

It has 8 analog inputs and 8 analog outputs, as well as 8 Dante inputs and 8 Dante outputs, making it suitable for independent sound reinforcement systems as well as medium to large scale remote conferencing and local amplification scenarios.



### Dante Digital Signal Processor DP44

For Medium-sized spaces or Classrooms

It has 4 analog inputs and 4 analog outputs, as well as 4 Dante inputs and 4 Dante outputs, recommended for medium-sized meeting rooms or classrooms.

## Audio-Visual Tracking Solution

### AI Dual-Lens Tracking Camera C60

Binocular Image System + Smart Microphone

Multiple AI Tracking Modes

AI Microphone Extension

1080P Lens



### 4K Video-Conferencing Camera C40T

4K Ultra HD Resolution

Low light Auto adjust

72.5° Wide Angle

12x Optical Zoom



### AI Audio-Visual Tracking Box MT100

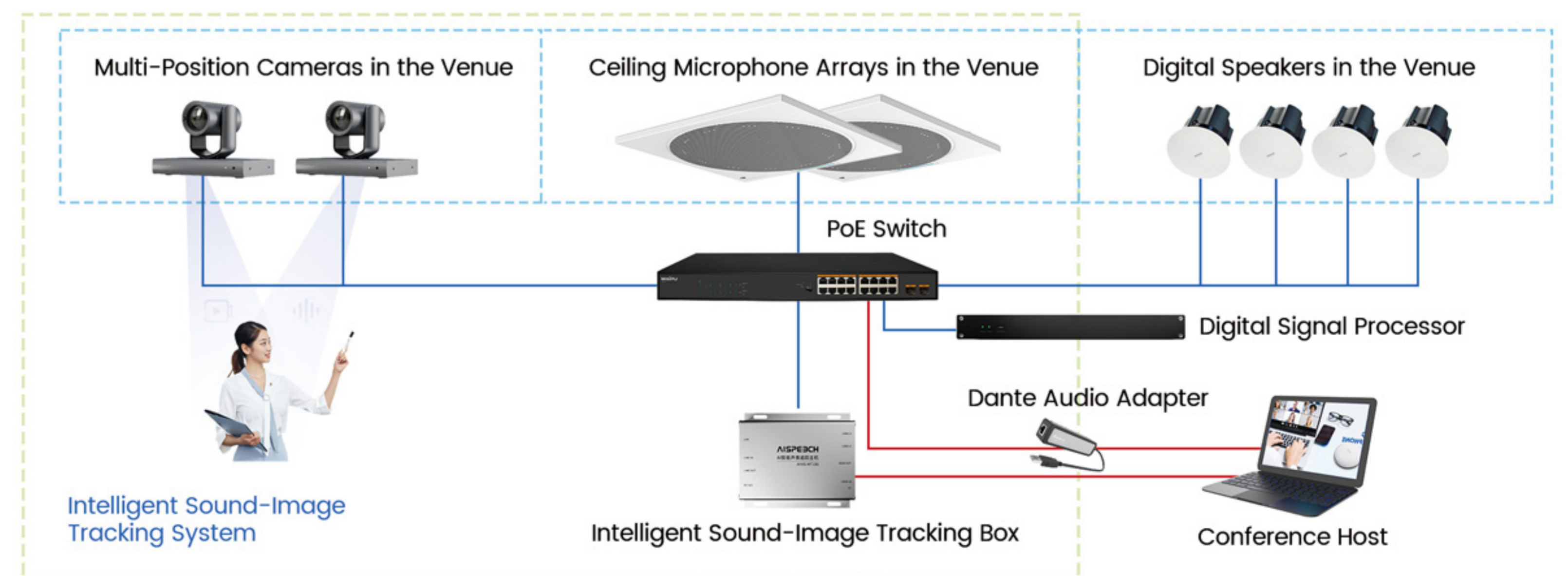
MT100 is compact and easy to deploy. Equipped with image processing algorithms such as AI facial recognition. The MT100 integrates seamlessly with AISPEECH's ceiling microphones, which offer precise DOA capabilities in large conference spaces while accommodating both remote and hybrid meeting scenarios.

Connect with up to 6 Cameras and Unlimited Number of Ceiling Microphones

HDMI & 4K Input and Output

Effortless Multi-Channel Control

#### Comprehensive Conference Room System Capabilities




- USB Connection (integrating sound and image linkage effects and audio/video streams, send to the conference host)
- Network Connection (POE power supply, control signal transmission, audio/video streams)
- - - Positioning and Tracking (DOA technology and AI facial recognition to locate the speaker)

## AI Conference Speakerphone M12

M12 is an intelligent conference speakerphone that integrates microphone pickup and sound amplification.

- 12-microphone omnidirectional pickup
- Deep noise reduction
- Up to 8m pickup radius
- Voice enhancement
- Wired cascade of up to 5 units
- Echo cancellation
- High-fidelity sound quality





Enhanced Edition (With Bluetooth)   
Standard Edition (No Bluetooth)

## AI Conference Speakerphone M6

M6 is designed for small collaboration rooms, small meeting rooms, and open remote office scenarios, integrating sound pickup and sound amplification.

- 6-microphone omnidirectional pickup
- Duplex noise reduction
- Up to 6m pickup radius
- Full-duplex communication
- Directional pickup
- Ultra-long endurance
- High-fidelity sound quality



M6Pro (Headphone Jack / Bluetooth Dongle)   
M6 (No Bluetooth) 

## Open and Diverse Partner Ecosystem

### NETGEAR AV

#### ProAV AV over IP

AISPEECH and NETGEAR fully leverage professional strengths in audio and video processing and network transmission to provide customers with an audio and video low-latency transmission system that can operate stably even in harsh environments, creating a more agile and high-performance AV over IP solution. The cooperation advantages are reflected in the low-latency data transmission capability, simplified user experience, stable transmission, compatibility, and global service network, all of which offer excellent experiences.

### Extron

#### Diversified Audio and Image Tracking and API Control

The AISPEECH ceiling microphone MC10 has obtained the control system certification from Extron and has successfully integrated into the ecosystem of intelligent control vendors. MC10 ceiling microphone seamlessly integrates with Extron's digital audio matrix processors, power amplifiers, and other products to create more innovative solutions. There will also be more possibilities for cooperation in creating sound and image tracking as well as API control with products from different brands.

### Dante

#### Extensive Partner Ecosystem

The Dante protocol is an emerging network transmission protocol that aims to provide an efficient, secure, and reliable means of network communication. It reduces latency and enhances data transmission efficiency. It is widely used in various network communication scenarios. Many of AISPEECH's audio products, such as the ceiling microphones MC10 and MC08, adopt the Dante digital protocol, which increases the compatibility with other devices.

### Lumens

#### Dante Audio and Video Tracking Solution

AISPEECH and Lumens have collaborated to launch a Dante audio and video tracking solution, integrating Lumens' AV decoder and cameras with AISPEECH's ceiling microphones and speakers. This integration enables the audio and video system to operate seamlessly, automatically adjusting the camera angles based on the speaker's voice position. It offers a smarter and more efficient audio and video solution for meeting and training spaces, significantly enhancing the overall meeting experience.

### datavideo

#### Jointly Building Broadcast-Level Audio-Visual Tracking

AISPEECH and Datavideo have deeply integrated their strengths in AI tracking to jointly build a domestic broadcast-grade intelligent audio-visual solution. Featuring ultra-clear image quality and multi-camera composition (EFP), the system uses intelligent algorithms for seamless camera switching, paired with AISpeech ceiling microphones for precise audio pickup. It enables unattended A/V production, meeting the needs of education and corporate meetings, broadcasting studios, command centers, and smart education scenarios.

## Case Display



香港科技大學  
THE HONG KONG  
UNIVERSITY OF SCIENCE  
AND TECHNOLOGY

The Hong Kong University of Science and Technology is an internationally renowned research university.



### The Hong Kong University of Science and Technology

#### Solution

With the AI-powered audio and visual tracking solution, the smart camera captures the speaker's visuals in real time, ensuring no crucial classroom moments are missed.

#### Case Effect

The biggest feature of the ceiling microphone MC10 is the local sound reinforcement, the sound is clear and loud, and the sound can be accurately transmitted even in large spaces. Teachers no longer need to use handheld microphones during lectures, and student interaction becomes more convenient.



Inspur Group, a globally renowned provider of cloud computing and big data services, aims to enhance meeting efficiency with AI capabilities.

### Shandong Inspur Academy of Science and Technology Co., Ltd.

#### Solution

This solution effectively addresses the challenges of poor sound pickup, unclear sound transmission, and reverberation in local sound reinforcement in a 100-square meter meeting room.

#### Case Effect

The MC10 has achieved the dual functions of local sound reinforcement and remote video conference transmission. Even in a large meeting room of 90 square meters, a single MC10 can easily amplify the sound. Its clear and loud amplification effect ensures that the voice of each speaker can be captured clearly.



NUS is Singapore's premier world-class top university. The university has a demand to improve the audio and video effects of online courses.



### The National University of Singapore

#### Solution

With the ceiling microphone amplification solution, the system can operate at a low height of 2.4 meters and achieve clear sound through optimization of flexible pickup algorithms.

#### Case Effect

This perfectly covered the large classroom with 108 seats, allowing for seamless use of voice lift and remote classroom audio pickup. The ceiling microphone MC10 can also switch seamlessly with handheld microphones, making teacher-student interactions more flexible. The MC10 is equipped with AI noise reduction algorithms that can accurately distinguish between human voices and airflow noise.



China-Singapore Suzhou Industrial Park Development (CSSD) Industrial Park Development Pte. Ltd. is a joint venture established by the governments of Singapore and China in August, 1994.

### CSSD INDUSTRIAL PARK DEVELOPMENT PTE. LTD.

#### Solution

The system deploys an audio-visual tracking solution that utilizes ceiling microphones for sound source localization, automatically controlling PTZ cameras to track and synchronize audio with video in real time.

#### Case Effect

The local conference sound is picked up accurately, and the sound reinforcement is clear and loud. Remote meetings have good video tracking, and multi-person meetings are also well-handled.