AISPEECH

PRO AV+AI
Digital and Intelligent Solutions

AISPEECH

meeting.aispeech.com

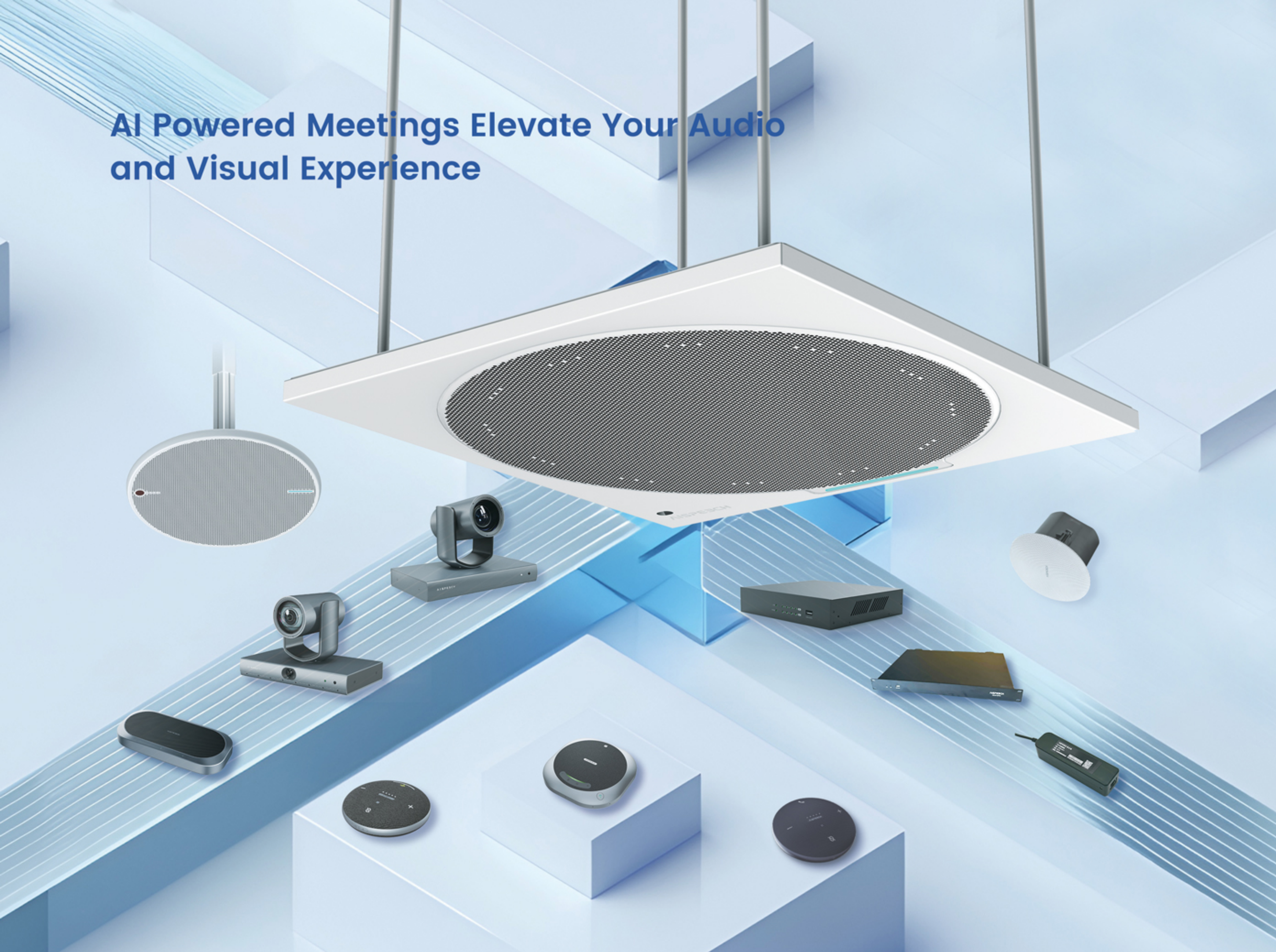IOTcommercial@aispeech.com

SmartofficeAV AISpeech

AI Powered Meetings Elevate Your Audio and Visual Experience

Technical Highlights

Patented AI Audio Algorithm

- Sound Source Localization
- Echo Cancellation
- Noise Suppression
- Multi-Microphone Array

Intelligent Speech Recognition

- High Accuracy
- Intelligent Error Correction
- Voiceprint Recognition
- Autonomous Training

Technical Patents

Nearly 100 global original technologies, nearly 700 invention patents

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.

Cooperative Partner

Dante | Lumens | Extron | NETGEAR AV

Partial Enterprise Cases

钉钉会议 | 金山办公 KINGSOFT OFFICE | 贵州茅台 | 中新集团 | inspur 浪潮 | PCI佳都科技 | 国泰基金 GROUP | Hisense

利穗科技 LISURE SCIENCE | 雷允上 1734 | CDN西顿照明 | 仁济医院 | GONSIN | CREDIT 维信金科 | NOVOSENSE 纳芯微电子 | MITSUI & CO., LTD.

VOYAH 岚图 | Witmem 知存科技 | SAIRI 上海人工智能研究院 | 神华集团 | 益民食品 I-MIN FOOD | PharmaBlock | 海纳川 BHAP | PASSION CAPITAL

Partial Educational Cases

北京大学 PEKING UNIVERSITY | 北京理工大学 BEIJING INSTITUTE OF TECHNOLOGY | 复旦大学 FUDAN UNIVERSITY | 上海交通大学 | 南京大学 | 东南大学 | 香港科技大学 THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY | 香港大学 THE UNIVERSITY OF HONG KONG

中山大学 | 上海财经大学 Shanghai University of Finance & Economics | 西南大学 SOUTHWEST UNIVERSITY | 南京航空航天大学 | 成都大学 CHENGDU UNIVERSITY | 南昌大学 | 华东政法大学 | 上海大学 Shanghai University

上海师范大学 Shanghai Normal University | 西北工业大学 Northwestern Polytechnical University | 南京师范大学 Nanjing Normal University | 上海海事大学 | 上海南湖职业技术学院 | 贵州水利水电职业技术学院 | 无锡科技职业学院 | NUS National University of Singapore
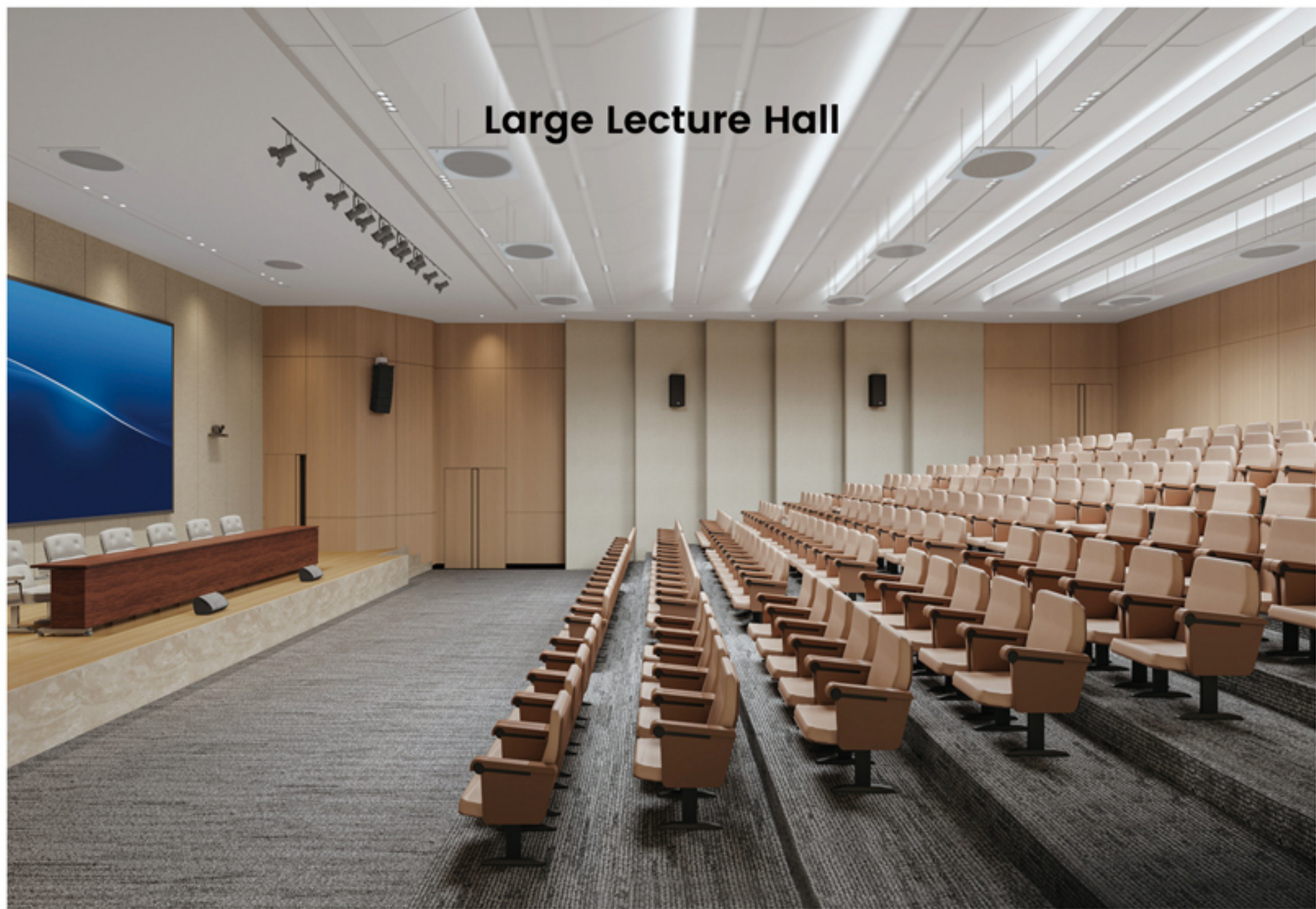
Smart and Efficient Solutions for All Business Meeting and Education Classroom Spaces

Extra-Large Meeting Rooms

Large Lecture Hall

Multifunction Classroom

Regular Classroom

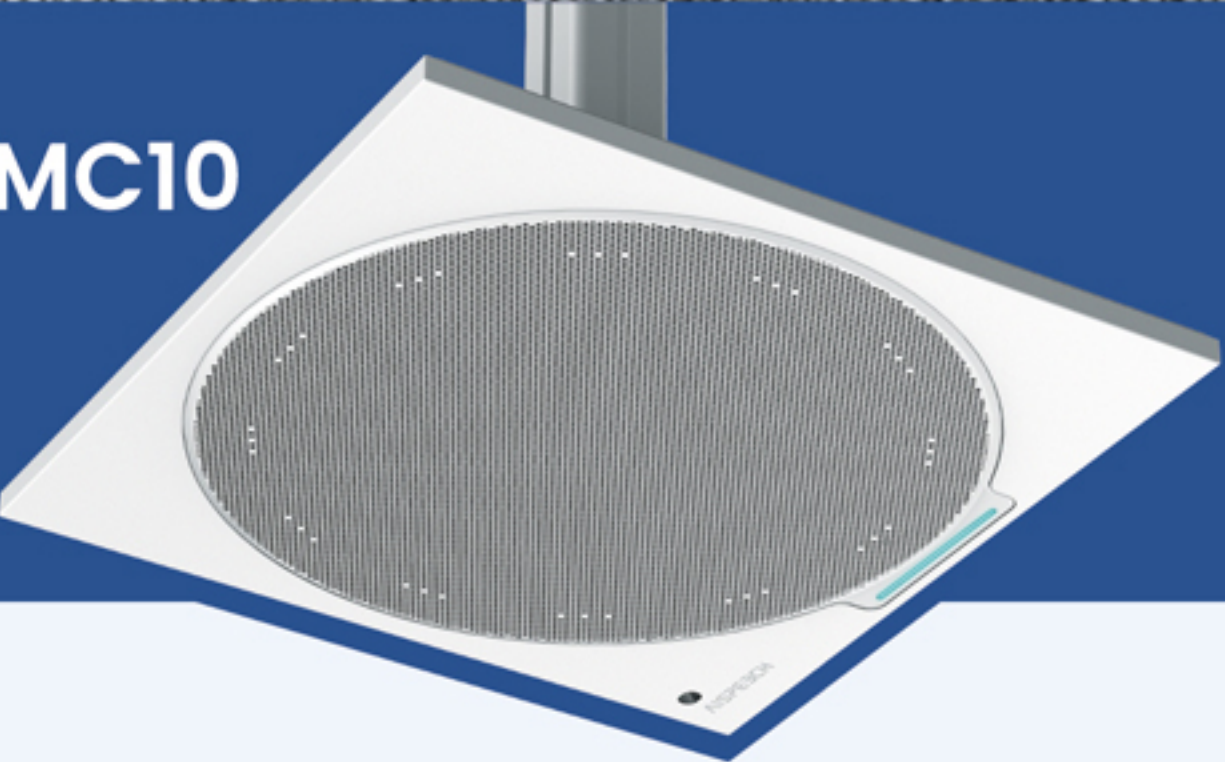Large And Medium-sized Meeting Rooms

Small Meeting Rooms

Smart Classroom

High-End Ceiling Microphone Array MC10

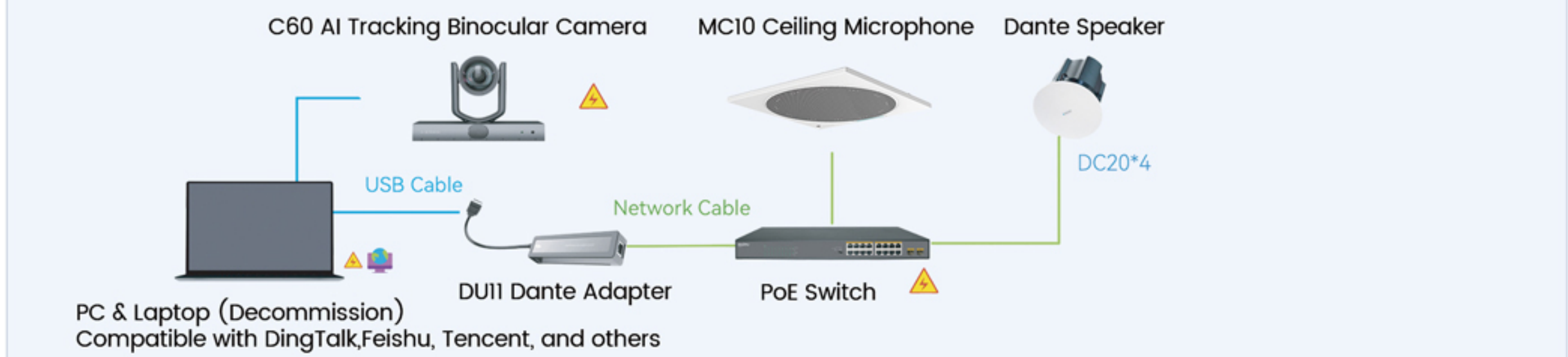AI Enhanced Ceiling Microphone for Sound Reinforcement and Remote Meeting

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

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

Dante Audio
International standard, simple compatible and manageable

Sound Reinforcement
delay of <30ms，capable of achieving at least 10dB of local sound reinforcement

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

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		Pickup Zone: 16	
Product Color: Elegant white		Sampling Rate: 48kHz	
Product Size: 597mm*597mm*54mm		Pickup Zone Type: Configurable	
Packaging Dimensions: 726mm*720mm*160mm		Maximum Background Noise Suppression: 36dB	
Net Weight: <5KG		AI Noise Reduction: Support	
Power Supply: PoE		AI Reverberation Suppression: Support	
Installation Method: Ceiling mount		AI Howling Suppression: Support	
Mic Spec		AI Echo Cancellation: Suppor	
Microphone Type: 128-unit MEMS microphone array		AI Full Duplex: Support	
Sensitivity: -38dBv/94dB SPL @1KHz		Mixing Channel: Support	
Signal-to-Noise Ratio: 65dBv/ 94dB SPL @1KHz, A-weighted		Intelligent Mixing: Support	
		Latency: 25ms	
Dante		**Cascade Functionality**	
Dante Audio: Support		Cascade Quantity: Unlimited	
Remote Conference Channel: 1		Cascade Method: Dante Audio/PoE	
Local Sound Reinforcement Channel: 1		Network cable cascade	
Interface			
Dante/PoE Network Port: 1 RESET Button: 1			
Scene Topologies			

C60 AI Tracking Binocular Camera   MC10 Ceiling Microphone   Dante Speaker

USB Cable

Network Cable

DC20*4

PC & Laptop (Decommission)
Compatible with DingTalk,Feishu, Tencent, and others   DU11 Dante Adapter   PoE Switch

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

Speech Area Pickup Coverage
32 microphone arrays, pickup radius of 4.5m, and maximum coverage of 40m² per unit

Customized Sound Pickup Zones
8 Independent configurable pickup zones

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

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

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		Maximum Background Noise Suppression: 35dB	
Product Color: White		AI Noise Reduction Suppression: Support	
Product Size: 445mm×445mm×57.5mm		AI Reverberation Suppression: Support	
Net Weight: 3KG		AI Feedback Suppression: Support	
Power Supply: PoE+		AI Echo Cancellation: Support	
Installation Method: pole mount		Delay (Automatic Mixing Output, Including Dante): <30ms	
Mic Spec		**Cascade**	
Mic Type: 32 - unit MEMS microphone array		Cascade Quantity: 2	
Sensitivity: -38dBV/94dB SPL @1KHz		**Certification**	
Signal - to - Noise Ratio: 65dBV/94dB SPL @1KHz, A - weighted		CE, FCC: Support	
Dante		**Interface**	
Number of Channels: 2x2		RJ45 Port: 1 (Dante Audio Transmission, PoE)	
Remote Meeting/Local Sound Reinforcement Channels: 1/1		XLR male connector: 1	
Remote Conversation Pickup Zones: 4		XLR female connector: 2	
Local Sound Reinforcement Pickup Zones: 4		Reset Button: 1	
Sampling Rate: 48kHz			
Scene Topologies			

Ceiling Microphone MC08   Dante Speaker

DC20*4

PoE Switch

Ceiling Microphone Related Products

1 Dante PoE-Powered 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.

2 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.

3 Dante Digital Audio 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.

4 Dante Digital Audio 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 Tracking Binocular Voice Camera C60

- Binocular Image System + Smart Microphone
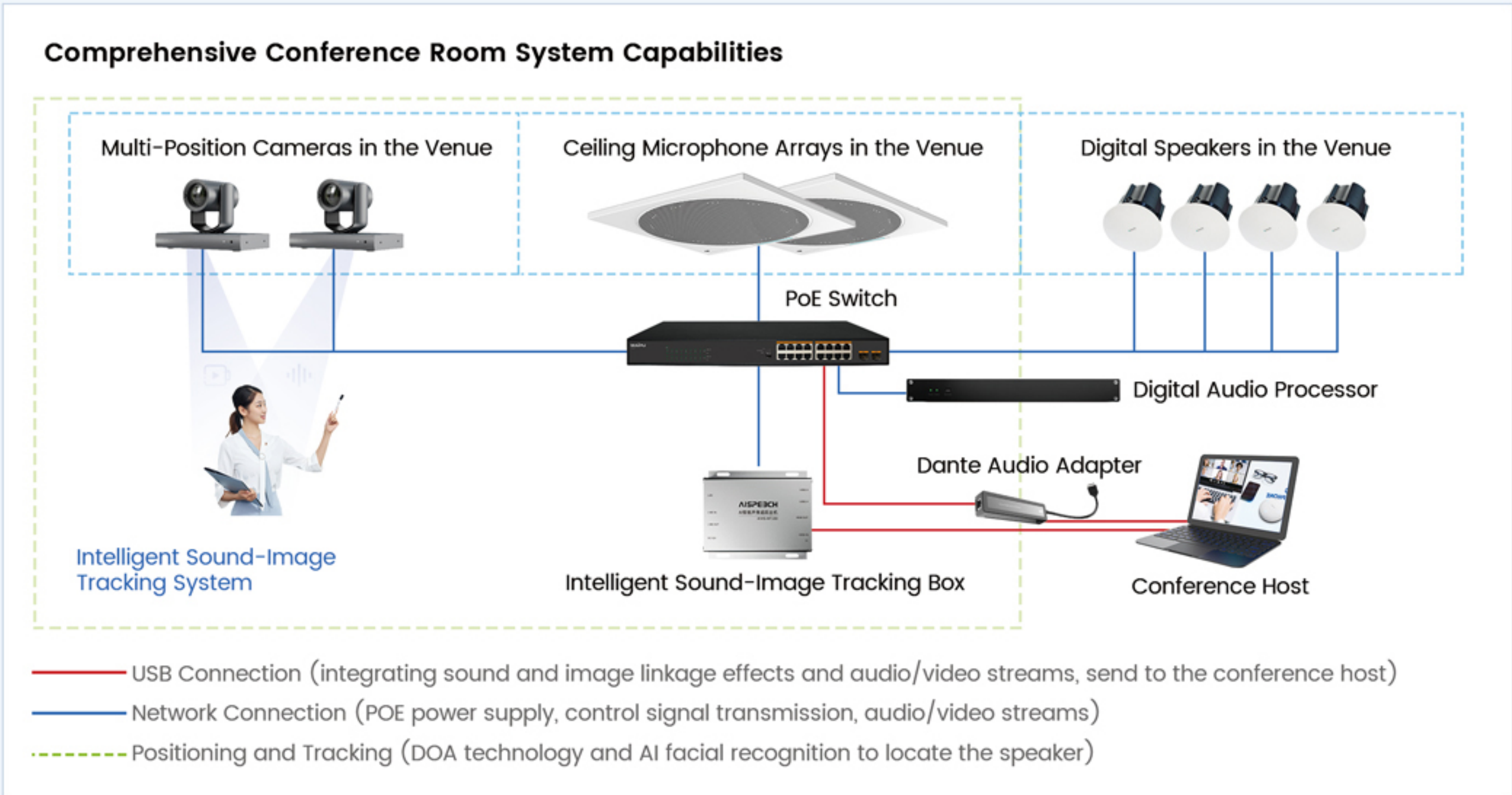- Multiple AI Tracking Modes
- AI Microphone Extension
- 1080P Lens

4K Video Conference Camera C40T

- 4K Ultra HD Resolution
- AI Real-time Subtitles
- 72.5° Wide Angle
- 12x Optical Zoom

AI Intelligent 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

Multi-Position Cameras in the Venue Ceiling Microphone Arrays in the Venue Digital Speakers in the Venue

PoE Switch

Digital Audio Processor

Dante Audio Adapter

Intelligent Sound-Image Tracking System

Intelligent Sound-Image Tracking Box

Conference Host

——— 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)

Enterprise-Level Conference Speakerphone M12

M12 is an intelligent conference speakerphone that integrates microphone pickup, sound amplification, speech transcription, and simultaneous interpretation of subtitles.

- 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
- Real-time speech transcription

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, sound amplification, voice transcription, and subtitle simultaneous interpretation.

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

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

Widely Compatible Ecological Construction

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.

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 浪潮

Inspur Group, a globally renowned provider of cloud computing and big data services, aims to enhance meeting efficiency with AI capabilities.
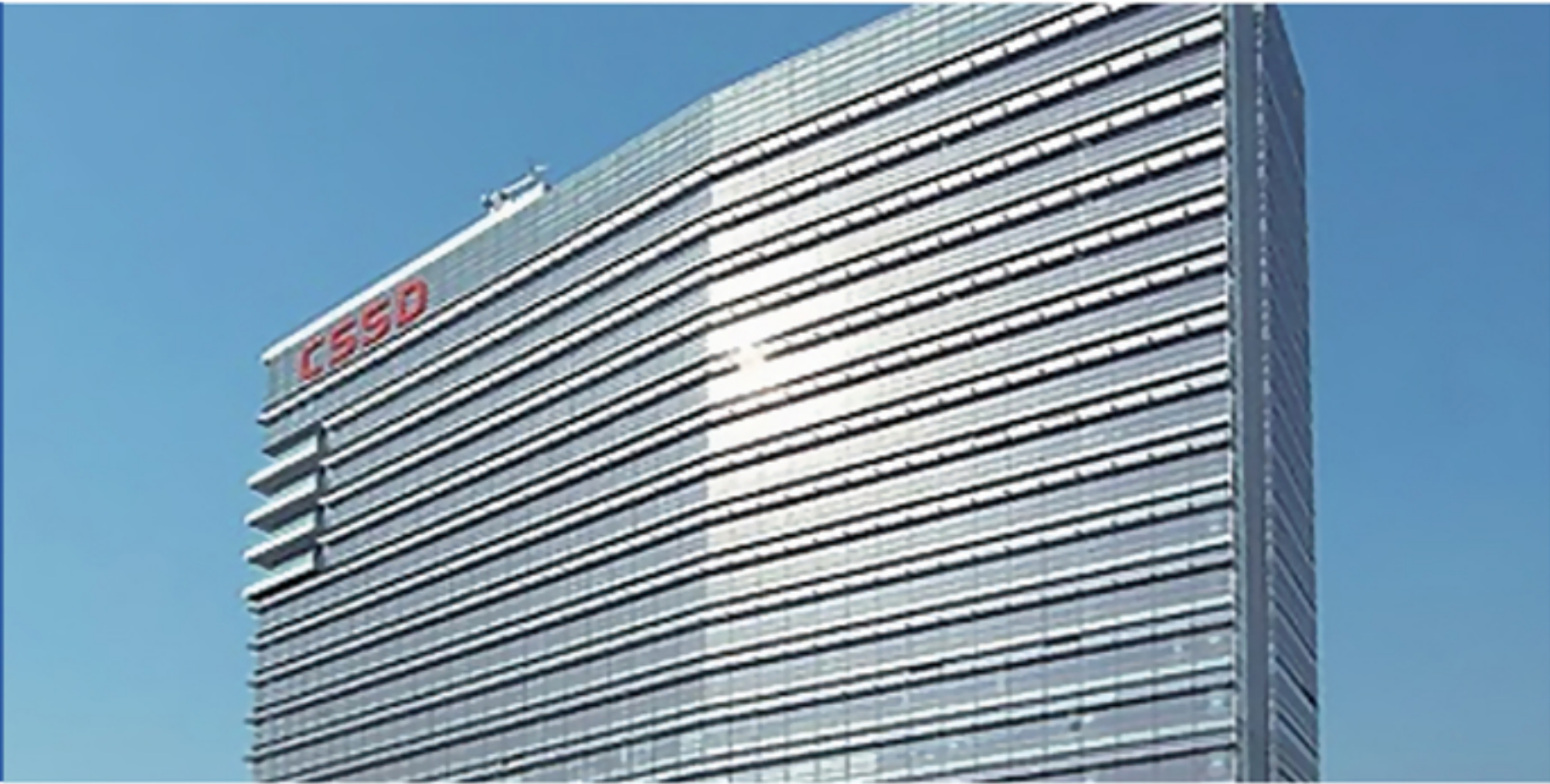
Shandong Inspur Academy of Science and Technology Co., Ltd.

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
National University of Singapore

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.

CSSD 中新集团

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.