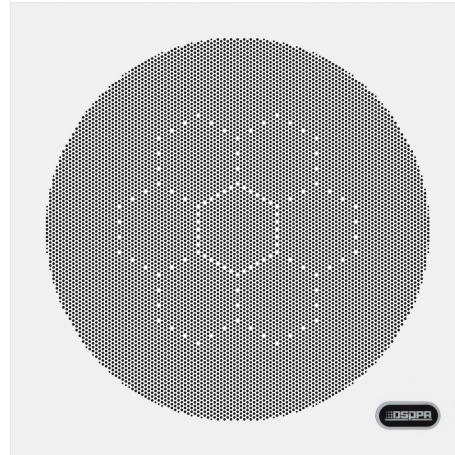


D7713

Ceiling Array Conference Microphone



Description

The D7713 is a high-end ceiling array conference microphone featuring up to 68 high-performance digital microphones and hundreds of microphone beam arrays, delivering exceptionally precise and natural voice pickup. Powered by deep learning DNN-based AI noise reduction technology and USB audio compatibility with Tencent Meeting audio processing, it provides an outstanding conferencing audio experience with crystal-clear speech reproduction.

It supports ultra-long-distance voice pickup and highly effective reverberation suppression. Equipped with advanced AI audio algorithms, the system can effectively eliminate more than 300 types of non-human noise and interference, creating a stable, quiet, and immersive conferencing environment.

The D7713 ceiling array conference microphone adopts low-latency IP digital audio technology, supporting PoE network power supply and IP cascading with up to 8 units. With its distributed cascading architecture, two or more ceiling microphones can be directly interconnected without requiring additional audio processors or mixers. This distributed solution offers greater cost efficiency, simplified deployment, and enhanced convenience. Using distributed voice pickup technology, the microphone maintains clear and natural speech reproduction whether operating as a single unit or in a multi-unit cascaded system, effectively avoiding hollow or muddy sound. In network transmission applications, it ensures stable audio transmission and broad compatibility. PoE technology further simplifies system cabling, while embedded, suspension cable, and suspension rod mounting options make it suitable for various high-end conference environments.

When multiple D7713 units are cascaded together, they automatically communicate and collaborate to accurately determine the speaker's position. The optimal microphone beam is then intelligently directed toward the speaker for precise voice pickup, resulting in cleaner sound quality and extended pickup distance.

This advanced distributed cascading technology enables multiple ceiling array microphones to function as one unified intelligent microphone system, delivering more accurate sound source localization, improved automation, and consistent voice pickup performance. Compared with conventional ceiling microphone solutions that rely on external mixers and audio processors for cascading, the D7713 provides clearer and more natural speech reproduction while effectively reducing reverberation and audio degradation in multi-microphone deployments.

The D7713 features highly adaptive AI noise reduction technology capable of suppressing more than 300 types of environmental noise. It effectively minimizes common background disturbances in conference rooms, classrooms, and industrial environments, including air conditioning noise, fan noise, keyboard typing, table tapping, chair movement, touchscreen tapping, cup placement, and page turning. This ensures clean, comfortable, and distraction-free voice communication.

The D7713 ceiling array conference microphone integrates 68 high-performance microphones with an optimal voice pickup distance of up to 8 meters. It supports AI voice pickup, AI reverberation suppression, and full-duplex acoustic echo cancellation.

A single D7713 ceiling array microphone is ideal for medium-sized business and executive conference rooms, as well as small- to medium-sized classrooms. Through IP cascading technology, multiple D7713 units can be interconnected to accommodate larger application environments.

Features

- Compatible with Tencent Meeting, delivering a unified smart conferencing experience through the Tencent ecosystem. Compatible with Tencent Meeting, supporting one-touch meeting join/leave, microphone mute, and volume adjustment functions, with lighting indicators showing different meeting statuses for intuitive operation.
- Intelligent AI noise reduction technology capable of suppressing more than 300 types of environmental noise in conference rooms, classrooms, and industrial environments.
- Distributed cascading technology allows direct cascading of two or more ceiling array microphones without requiring additional audio processors or mixers.
- Distributed voice pickup technology ensures consistently clear and natural speech reproduction in both standalone and multi-unit cascading applications.
- Distributed intelligent voice processing technology enables collaborative interaction among cascaded devices, automatically locating speakers and directing the optimal microphone beam for more accurate and longer-distance voice pickup.
- Supports IP audio technology, PoE network power supply, and IP cascading of up to 8 units.
- Operates with a single network cable for both power and data transmission, simplifying installation while enabling longer transmission distance and cleaner deployment.
- Supports device configuration and control through dedicated PC control software.
- PoE IP technology supports long-distance power supply and data transmission.
- Integrates up to 68 high-performance digital microphones with hundreds of beamforming arrays for highly precise voice pickup.
- AI voice pickup technology enhances target speech while suppressing unwanted pickup areas.
- AI reverberation suppression technology minimizes hollow reverberation during long-distance pickup, reduces muddiness in glass-walled and reflective environments, and improves speech clarity by enhancing direct sound pickup.
- Provides DOA (Direction of Arrival) speaker positioning information.
- Supports full-duplex acoustic echo cancellation, dynamic noise suppression, and automatic gain control (AGC).
- Supports USB communication.
- Includes an infrared remote controller for convenient microphone mute and speaker volume

adjustment.

- LED indicators display device operating status and microphone mute status.
- Provides an RS232 serial communication interface.
- Equipped with two balanced Phoenix AUX ports supporting audio input and output.
- Beamforming technology allows users to speak freely from anywhere in the meeting room.
- Supports multi-unit cascading.
- Supports suspension and ceiling-mounted installation methods.
- Low-latency, uncompressed audio transmission over IP networks.
- Easy deployment with automatic device discovery and plug-and-play networking.
- Supports online firmware upgrades via network connection.
- Optional external power adapter available for additional power requirements.

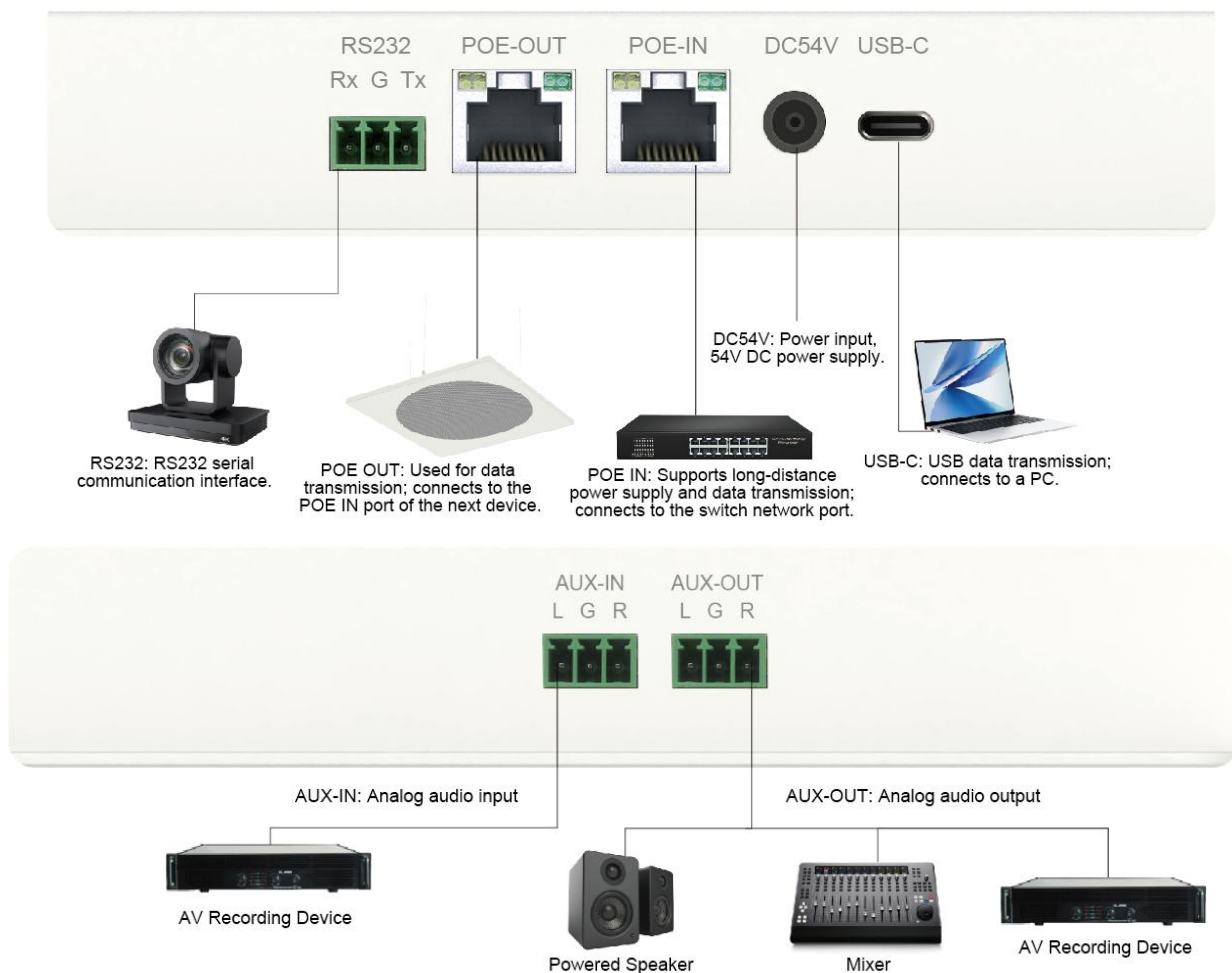
Specifications

Model	D7713	
Audio Processing	AI Noise Reduction	Supported
	AI Reverberation Suppression	Supported
	AI Acoustic Echo Cancellation	Supported
	AI Full-Duplex	Supported
	Mixing Channels	Supported
	Intelligent Mixing	Supported
Audio Performance	Audio Architecture	Distributed intelligent automatic voice pickup and mixing
	Sampling Rate	16kHz
	Maximum Background Noise Suppression	40dB
Microphone Array	Sensitivity	-37dBv / 94dB SPL @ 1kHz
	Microphone Type	68-element digital MEMS microphone array
	Beamforming	Hundreds of beams
	IP Audio	Supported
	Frequency Response	50Hz – 22kHz
Cascading	Signal-to-Noise Ratio	66dBv / 94dB SPL @ 1kHz, A-weighted
	Maximum Cascading Quantity	Up to 8 units
	Cascading Method	IP audio / PoE Ethernet cascading
Interfaces	Type-C Port	1
	Balanced Phoenix AUX Port	2 (AUX IN / AUX OUT)
	RS232 Communication Port	1
	RJ45 Network Port	2
	DC54V Power Input	1
Indicators	Microphone Mute Indicator	Solid red when muted
	Tencent Meeting Indicator	Solid green
	Working Status Indicator	Solid white
Operating Temperature	0°C – 50°C	
Storage Temperature	-10 – 50°C	
Product Color	Elegant white	
Product Dimensions	596×596×52.5 mm	
Inner Package Dimensions	712×712×132 mm	
Outer Package Dimensions	730×730×160 mm	

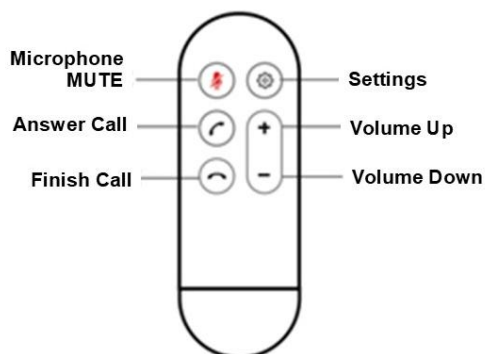
Net Weight	4.34kg
Power Supply	PoE or external power adapter
Installation Method	Suspended mounting / ceiling flush mounting
Accessories	Remote controller ×1, User manual ×1, USB-C cable ×1 (1.8 m, locking type), RJ45 cable ×1 (10 m), Phoenix connectors ×3, Suspension kit ×1

Front / Rear Panel

Interface Description



Remote Controller Instructions



*Note
Answer Call / Finish Call – only applicable to Tencent Meeting

Microphone Mute	Enable/disable microphone mute
Call Answer Button	In Tencent Meeting mode, short press to join the Tencent Meeting
Call End Button	In Tencent Meeting mode, short press to leave the Tencent Meeting
Settings Button	/
Volume Up Button	Increase speaker volume
Volume Down Button	Decrease speaker volume