

AeroTone

Dante PoE Ceiling Speaker



DESCRIPTION

The AeroTone Dante PoE Ceiling Speaker is designed to deliver high-quality audio performance in both commercial and residential environments. With its sleek and unobtrusive design, this speaker integrates seamlessly into any space, providing an excellent solution for a variety of applications, from conference rooms to retail settings. Its advanced acoustic technology ensures clear and powerful sound reproduction, enhancing the overall auditory experience.

Engineered for versatility and ease of installation, the AeroTone meets the demands of modern audio needs. Its innovative design and superior performance make it a reliable choice for professionals seeking to elevate their sound systems while maintaining aesthetic appeal in their environments. Whether in a busy office or a serene retail space, this speaker provides an outstanding audio experience that is both immersive and impactful.

FEATURES

- **Advanced Microphone Array Technology**

The 2 x 2 channel configuration allows for versatile audio routing and integration within a Dante network. This ensures clear audio transmission across multiple channels, making it ideal for complex audio setups.

- **Frequency Response**

With a frequency range of 65 Hz to 20 kHz (-10 dB), the speaker delivers a broad spectrum of sound, from deep bass notes to crisp high frequencies, ensuring a well-rounded audio experience.

- **Peak Output Sound Pressure**

Capable of producing a peak sound pressure level, this speaker can fill larger spaces with powerful audio, making it suitable for both quiet and high-energy environments.

- **Audio Processing Capabilities**

The 6-inch composite diaphragm waterproof unit provides enhanced durability and performance in various conditions, delivering robust low-end sound that adds depth to music and announcements.

- **High Frequency Unit**

Featuring a 1-inch composite diaphragm waterproof unit, it ensures clear and articulate high-frequency sound reproduction, making dialogues and vocals easy to understand.

- **Interface**

Equipped with 1 RJ45 port for Dante audio transmission and PoE, facilitating straightforward connectivity and minimizing cabling clutter. This interface supports both audio signal and power delivery, streamlining the installation process and enhancing system flexibility.

TECHNICAL SPECIFICATIONS
ELECTRICAL

Amplifier Type	Class-D
Power Rating (Dynamic)	15W (PoE+ (IEEE 802.3at)), 6W (PoE (IEEE 802.3af))
Power Rating (Continuous)	15W (PoE+ (IEEE 802.3at)), 6W (PoE (IEEE 802.3af))
Sampling Rate	48kHz
Signal Processing	EQ/Enhancer, Volume, PEQ, Ducker (Noise gate), MIXER, Delay, Speaker EQ (6band)

NETWORK

Ethernet / Control	Dante audio/Dante control, Remote control, WebUI, PoE
Cable Requirements	CAT5e or higher (STP)

GENERAL

Dimensions	279mm diameter, 176mm depth
Weight	<3.5KG
Power Requirements	PoE (IEEE 802.3af)
Maximum Power Consumption	< -105 dB at +4 dBu 1 kHz input signal
In Operation	
Temperature	0°C – 40°C
Humidity	30% – 90% (No condensation)
Storage	
Temperature	-20°C – 60°C
Humidity	20% – 90% (No condensation)
Cooling Method	Natural convection
Input/Output Terminal	IP5X for dust protection
Operator	DIP switch 8P x 1
Indicator	Power (Front), SYNC (RJ-45), LINK/ACT (RJ-45)
Frequency Range (-10dB)	65Hz~20kHz
Low Frequency Unit	6-inch composite diaphragm waterproof unit
High Frequency Unit	1-inch composite diaphragm waterproof unit
Coverage Angle (-6dB 1-4kHz Average)	160° conical
Maximum SPL (Peak)	97dB SPL
Cascade Quantity	Unlimited
Cascade Method	Dante audio
Mount	Ceiling mount

ARCHITECTURAL DIAGRAM



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