FS8IP

Aluminum Line Array Column Speaker

8× 3.5" Woofers + 1× 1" Horn Tweeter | IP65 Waterproof | Adjustable Mount

Product Overview

The FS8IP is a professional aluminum line array column speaker designed for precise, long-throw sound reinforcement in challenging acoustic environments. Featuring 8 high-performance 3.5-inch woofers paired with a single 1-inch horn tweeter, the FS8IP delivers a symmetrical, even coverage area with exceptional clarity and intelligibility.

The linear sound source effect prevents sound energy from decaying over distance, projecting sound farther than conventional point-source speakers. This results in less variance between near and far listening areas, creating a more uniform sound field throughout the venue.

With controlled vertical dispersion, sound is directed only to the target audience area, minimizing reflections from ceilings and floors. Even in spaces with long reverberation times or poor acoustic conditions, the FS8IP delivers clear, articulate audio. The built-in frequency division circuit uses premium ERSE electronic components for superior sound quality.

Key Features

- **Line Array Column Design:** 8× 3.5" woofers + 1× 1" horn tweeter arranged side by side for symmetrical, even coverage.
- **Long-Throw Linear Source:** Linear sound source effect reduces energy decay over distance, projecting sound farther with uniform coverage.
- **Controlled Vertical Dispersion:** 38° vertical coverage directs sound only to the target area, minimizing ceiling/floor reflections.
- **Wide Horizontal Coverage:** 140° horizontal dispersion for broad audience coverage.
- **Feedback Suppression:** Low sound pressure attenuation at distance prevents near-field hot spots, increasing safe gain before feedback.

- **Premium Crossover:** Built-in frequency division circuit using ERSE electronic components for high-quality sound output.
- **Aluminum Enclosure:** Acoustically simulated aluminum cabinet with closed-box design, white fine-sand UV-resistant powder coating.
- **Adjustable Mounting Bracket:** Vertical and horizontal angle adjustment allows precise positioning for any installation requirement.
- **Protective Grille:** Solid steel mesh grille with white powder coating and internal acoustic filter.

Technical Specifications

Parameter	Specification
Model	FS8IP
Product Type	Aluminum Line Array Column Speaker
System Configuration	8× 3.5" Woofers + 1× 1" Horn Tweeter
Frequency Response (-10dB)	120Hz - 20kHz
Rated Power (RMS)	200W (continuous pink noise, 100 hours)
Peak Power	400W
Sensitivity (1W/1m)	97dB
Maximum SPL (1m) Continuous	120dB
Maximum SPL (1m) Peak	123dB
Coverage Angle (-6dB, V×H)	38° × 140°
Low-Frequency Driver	8× 3.5" woofer, ferrite magnetic circuit, cloth-edge paper cone, high-temperature voice coil, FEA-optimized magnet structure
High-Frequency Driver	1× 1" tweeter, lightweight Kapton™ voice coil former, FEA-optimized neodymium magnet structure
Enclosure Material	Acoustically simulated aluminum, closed-box design
Finish	White fine-sand powder coating, UV-resistant
Grille	Solid steel mesh, white powder coating, internal acoustic filter
Mounting	Vertical & horizontal angle-adjustable mounting bracket
Crossover	Built-in frequency division circuit, ERSE components
Dimensions (H×W×D)	86.5 × 9.7 × 10.0 cm (H×W×D)
Net Weight	6.8 kg

Applications

- Houses of worship and churches
- Conference rooms and boardrooms
- Auditoriums and lecture halls
- Airports, train stations, and transportation hubs
- Shopping malls and retail centers
- Hotels and hospitality venues
- Museums and exhibition halls
- Educational facilities and classrooms
- Sports facilities and gymnasiums
- Any installation requiring clear, even long-throw coverage

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Specifications are subject to change without notice due to continuous product improvement.