

DSP1280F

Professional Waterproof Active Line Array Loudspeaker System



Description

Designed for professional applications where audio excellence, high power output, and weather resilience are non-negotiable, this active line array system achieves IP66 waterproof certification, reinforced by a rugged polyurea coating. It is purpose-built for outdoor stages, open-air festivals, humid auditoriums, and conference venues prone to moisture. Beyond its durable exterior, the system produces powerful, high-definition sound with outstanding throw, ensuring every corner of the largest spaces is filled with clear, impactful audio—rain or shine. Whether supporting a live concert, a school event, or a critical business meeting, it seamlessly combines studio-grade acoustics with uncompromising environmental protection.

Features

- Modular design for flexible system scaling.
- Even sound coverage with precise distribution.
- 98 dB sensitivity | 130 dB max SPL.
- 2400W built-in high-efficiency amplification.
- Crystal-clear clarity in noisy settings.
- IP66-rated polyurea coating for weatherproof durability.
- Dustproof, waterproof, and moisture-resistant.
- Stable, reliable operation in harsh environments.

Specifications

Model	DSP1280F
Frequency Response	35Hz-20KHz(±3dB) 1watt@1m
Sensitivity	Full-Range Speaker: 96dB Subwoofer: 95dB Whole System: 98dB
Max.SPL	Full-Range Speaker: 125dB Subwoofer: 124dB Whole System: 130dB
Nominal Impedance	4 Ohm
Nominal Power	800W Full-range Speaker, 800W Subwoofer
Peak Power	3200W
Dispersion H x V	140° Horizontal * 25° Vertical
Crossover Point	Active 150Hz, Built-in Mid and High-frequency Drivers: 1.2KHz
HF drivers	2 ×1.75" HF drivers (44-turn voice coil tweeter)
MF drivers	6 × 5.5" Midrange drivers (35mm voice coil)
SUB drivers	2 × 12" Subwoofers (75mm voice coil)
Active Power Amplifier	2×1200W
Paint	Polyurea Waterproof and Scratch-resistant Paint
Product Dimensions	Upper Column Speaker: 700H × 150W × 190D (mm)
	Lower Column Speaker: 650H × 150W × 170D (mm)
	Subwoofer: 860H × 340W × 350D (mm)
Net Weight	Upper Column Speaker: 14kg
	Lower Column Speaker: 11kg
	Subwoofer: 32kg

Product Information

- 1. **485 IN / 485 OUT Debugging Ports:** Used for connection with debugging software.
- 2. **INPUT Audio Input Port:** Connects to external audio signals.
- 3. **LINK Cascade Port:** Used to connect to the next speaker.
- 4. **AC INPUT Power Input Port:** Provides power supply for the device.
- 5. **AC LINK Power Cascade Port:** Supplies power to the next device.

