

High Output, self powered (class D switch mode power supply with PFC), line array element. It consists of a 2 x 8" (2" voice coil) transducer with 1.4" exit throat driver with a waveguide system delivering 100°H x 10°V precise coverage. DSP (FIR technology) controlled with 1200W amplification, 130 dB SPL.



Key features

- Class D Powered (bi-amplified)
- Integrated Digital Processing
- Internal temperature control
- Electronic protection
- FIR linear phase filtering
- Online monitoring available
- Two way active system

Applications

- Outdoor events
- Theatres
- Large stadiums / arenas
- Auditoriums
- Interior live PA
- Houses of worship

General description & specifications

The LAIA-28 enclosure is a medium format Line Array module that offers an ideal solution for a wide variety of indoor and outdoor applications where a compact, practical and reliable Line Array system is required.

LAIA-28 is a self-powered 2-way system with a total of 1200W in class D, universal switching power supply and a PFC system for better optimization of input voltage and current and lower consumption. Equipped with a powerful next-generation

64-bit/96KHz DSP designed and manufactured by Lynx Pro Audio, it offers the most recent advances in digital processing, such as FIR filters, which offer linear frequency and phase response. The latest 32-bit/96KHz AD/DA converters make the system one of the most advanced and innovative line arrays on the market, resulting in superior sound quality. Additionally, LAIA series systems can be controlled remotely using the OCS control platform, giving the user the ability to control the systems without the need for external processors.

Technical Data

Components	
• LF:	LF: 8", 2" voice coil, Tetracoil ultra linear motor
• HF:	HF: 1 x 1.4" exit throat, (3" voice coil) with titanium diaphragm
Frequency range	65 Hz - 20 KHz (-10 dB)
Frequency response	75 Hz - 18 KHz (± 3dB)
Max SPL	130 dB / 136 dB Peak
Coverage	100° H x 10 ° V
Power	1200 W Class D with switching power supply & PFC LF amplifier: 1 x 800 W RMS, 1600 W peak HF amplifier: 1 x 400 W RMS, 800 W peak
DSP Processing	96 KHz / 64 bit double-precision
Control	User control interface
Control connections	USB (DSP updating) / Ethernet (OCS)
Input	Analog
AC power	90 – 264V. 50/60 Hz with PFC
AC connections	16A Neutrik powerCon true1 TOP with looping output
Finish	Polyurea coating, high grade resistant paint
Material	15 mm Premium birch plywood
Dimensions	247 x 600 x 444 mm (H x W x D) without pins
Weight	25 Kg (55.12 lbs)

Dimensional Drawing

