

Self-powered, class D line array enclosure. Two-way system equipped with two 8" speakers (2" tetracoil) and a 1.4" compression driver coupled to a 100°H x 10° V waveguide. Bi-amplified enclosure that offers high levels of power from a compact system.



### 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

|                            |   |
|----------------------------|---|
| <b>Components</b>          |   |
| • LF:                      | LF: 8", 2" voice coil, Tetracoil ultra linear motor   |
| • HF:                      | HF: 1 x 1.4" exit throat, (3" voice coil) with titanium diaphragm   |
| <b>Frequency range</b>     | 65 Hz - 20 KHz (-10 dB)   |
| <b>Frequency response</b>  | 75 Hz - 18 KHz (± 3dB)  |
| <b>Max SPL</b>             | 130 dB / 136 dB Peak  |
| <b>Coverage</b>            | 100° H x 10° V  |
| <b>Power</b>               | 1200 W Class D with switching power supply & PFC<br>LF amplifier: 1 x 800 W RMS, 1600 W peak<br>HF amplifier: 1 x 400 W RMS, 800 W peak |
| <b>DSP Processing</b>      | 96 KHz / 64 bit double-precision  |
| <b>Control</b>             | User control interface  |
| <b>Control connections</b> | USB (DSP updating) / Ethernet (OCS)   |
| <b>Input</b>               | Analog  |
| <b>AC power</b>            | 90 – 264V. 50/60 Hz with PFC  |
| <b>AC connections</b>      | 16A Neutrik powerCon true1 TOP with looping output  |
| <b>Finish</b>              | Polyurea coating, high grade resistant paint  |
| <b>Material</b>            | 15 mm Premium birch plywood   |
| <b>Dimensions</b>          | 248 x 279 x 645 mm (H x W x D) without pins   |
| <b>Weight</b>              | 25 Kg (55.12 lbs)   |

### Dimensional Drawing

