

# OPALine-Array

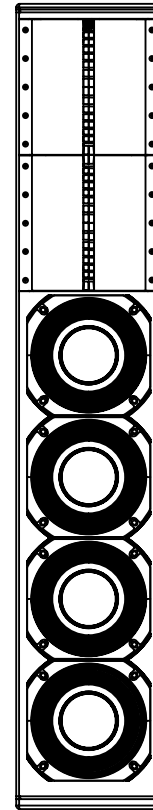
The On Point Audio Series OPALine-Array enclosure is a single vertical array designed for both permanent installation and live sound reinforcement applications. The vertical transducer configuration generates very wide horizontal dispersion, while providing precise vertical pattern control. The defined vertical pattern offers excellent intelligibility in reverberant spaces and maximizes direct to reflected ratios of acoustic radiation.

The OPALine-Array is a 1 x 4 low-frequency vertical array that consists of four NP8 high-output, narrow-profile woofers that provide the same cone acoustical radiating area as conventional 8-inch (203mm) woofers. The NP8 narrow-profile woofers operate up to 1000Hz and are configured to offer excellent vertical pattern control up to the crossover frequency. The high-frequency section of the OPALine-Array features two vertical line array waveguides coupled to very high-output, medium-format titanium compression drivers. The two high-frequency elements are frequency shaded. Both high-frequency wave guides operate between 1000Hz and 2000Hz in parallel mode. Above 2000Hz, the lower waveguide is gradually attenuated in order to maintain the desired vertical beamwidth of the OPALine system. This configuration ensures excellent vocal range pattern control, superior system intelligibility and high reliability.

The OPALine-Array is constructed with very high-quality void free plywood and finished in durable polyurea-based PowerCoat™ paint. There are multiple M10 locations. The OPALine may be suspended via On Point Audio eye bolt kits or by using the On Point Audio model OPA-PTB pan/tilt bracket.

The OPALine-Array also features two 1 3/8" (35mm) standard pole mount receptacles. These two "top hat" pole receptacles are designed to allow the OPALine-Array enclosure to be mounted to the OPALine Sub active subwoofer. These top hat receptacles are NOT designed for use with a standard tripod speaker stand. **THE OPALINE MUST NOT BE MOUNTED ON A STANDARD LOUDSPEAKER TRIPOD SPEAKER STAND UNDER ANY CIRCUMSTANCE!**

The enclosure is a nominal 4-ohm design that features a peak electrical power handling of 3200 watts and an AES rating of 800 watts continuous. The OPALine-Array features a 90 degree nominal horizontal coverage and a defined vertical included angle rated coverage of 40 degrees. The key performance advantage of the 4 element vertical array and extended HF line array is that the

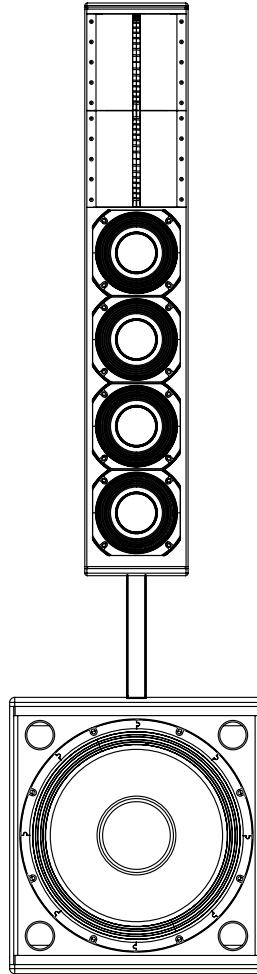


nominal vertical pattern is maintained down into the vocal fundamental range. This extended vertical coverage angle prevents excessive mid-band acoustic radiation from bouncing off the floor/ceiling, and improving intelligibility through this critical frequency band. The system sensitivity of 95db (1 watt/ 1 meter) will produce a peak Sound Pressure Level (SPL) of 130dB at full system peak power.

## FEATURES

- » 4-element vertical low-frequency line array
- » NP8 narrow-profile low-frequency transducers
- » 2-element frequency shaded high-frequency wave guide design
- » 90 degree horizontal coverage
- » Multi-element controlled extended bandwidth 40 degree vertical dispersion
- » Double pole mount for use with OPALine Sub
- » Available eyebolt kit and pan and tilt rigging

# OPALine-Array



## SPECIFICATIONS

**System Type:** Multi Element vertical line array

**Frequency Range:** 60Hz-20kHz

**Frequency Response:** 80Hz-20kHz

**Nominal Impedance:** 4 ohms

**Power Handling:**

Peak 3200 watts

Continuous 800 watts

**Coverage Pattern:** 90H x 40V (extended bandwidth vertical)

**Sensitivity (1 watt at 1 meter):** 95dB

**Max Rated SPL:**

Peak 130 dB

Continuous 124 dB

**Inputs:** 2 ea. Neutrik Speakon, 1 ea. 4-Position Barrier

**Dimensions:**

Metric (mm) 1125 x 203 x 348

Inches 44.3 x 8.0 x 13.7

39 Kg / 86 Lbs.

**Available Accessories:** OPA-PTB pan/tilt bracket