

N-RAY Data Sheet

N-RAY

3-way Passive
line array module



N-RAY is an ultra compact, three-way line array that brings the benefits of the AiRAY technology into a shallow, lightweight cabinet for theatres, performing arts centres, and corporate events.

Incorporating the latest in driver and system design technology, this next generation product boasts twice the power handling of similar systems, significantly increasing low frequency output and long term SPL capability. N-RAY delivers high-fidelity sound with a large dynamic range and extended low frequency, as well as incredible flexibility thanks to its variable horizontal dispersion. The box is ideally suited for a variety of small to medium size applications. The system contains two 6.5 inch ultra low distortion neodymium drivers and a 6 inch DDP driver, while the SCN-F 15 inch sensor controlled low frequency extension provides additional headroom with exceptional dynamic range and tight punch.

Offering a phase linearity similar to AiRAY, a 60 Hz-22 kHz (-6 dB) frequency range and high power handling of 1000 W, N-RAY outputs a power, frequency and transient response that belies its small size.

N-RAY has a variable horizontal coverage of 90°, 120° or asymmetric 105°, variable vertical curving 0°, 1°, 2°, 3° to 12° in 1° steps, and features an integrated three-point rigging system for flown or ground stacked arrays compatible with SCN-F – 15 inch sensor controlled low frequency extension.

The line array facilitates system integration with LINUS loudspeaker management amplifiers, while a hybrid wooden / aluminium enclosure with polyurea coating ensures extreme durability and water protection.

N-RAY Features

- ⊕ Light weight at only 15 kg
- ⊕ Dual 6.5" neodymium ultra low distortion cone drivers
- ⊕ 6" DDP generates a unified wavefront and operates at a very high efficiency with extremely low distortion
- ⊕ Dynamic Airflow Cooling (DAC) ensures exceptionally high sound pressure and low power compression
- ⊕ InstaFit Magnetic Coupler sums the energy from all transducers to perform as a single source
- ⊕ Variable horizontal coverage of 90°, 120°, or asymmetric 105°, variable vertical curving
- ⊕ Quick Release Grille - no tools required
- ⊕ Frequency range: 60 Hz - 22 kHz (-6 dB)
- ⊕ Acoustically compatible with AiRAY or ViRAY systems

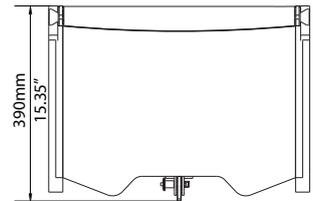
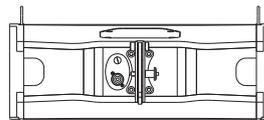
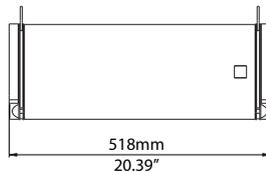
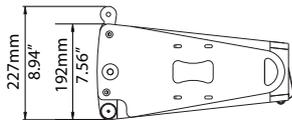


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Product type:	3-way Passive line array module
Dimensions (WxHxD):	518 x 192 x 390 mm / 20.39 x 7.56 x 15.35"
Dimensions including hardware (WxHxD):	518 x 227 x 390 mm / 20.39 x 8.94 x 15.35"
Net weight:	15 kg / 33.07 lbs
Frequency response:	60 Hz – 22 kHz (-6 dB)
Power handling AES / peak (passive):	1000 W / 4000 W
Max. peak SPL (with LINUS14):*	143 dB
Dispersion horizontal:	90°, 120° or asymmetrical 105°
Dispersion vertical:	Array dependent: 0°, 1°, 2°, 3° to 12° in 1°-steps
Components Low frequency:	2x 6.5" neodymium, water resistant cones, 2" (50.8 mm) voice coil, 500 W (AES) each
Components Mid/High frequency:	Mid: 3.5" (90 mm) voice coil, 150 W (AES) each High: 1.75" (44.4 mm) voice coil, 80 W (AES) each
Crossover point:	500 Hz / 6300 Hz passive
Input connectors:	2x Neutrik™: 1x Input + 1x Link Cable
Nominal impedance LF / MF+HF:	12 Ω (+2/-2)
Enclosure material:	Hybrid Multiplex / Aluminum
Suspension:	Integrated

*Measured with pink noise 6 dB crest factor. Half-space loading. E&OE.



Other System Related Products



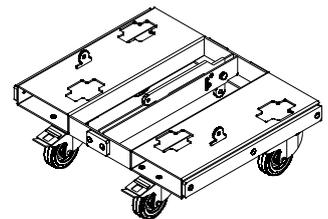
SCN-F

Sensor controlled bass extension



LINUS M-RACK

Compact 4 Channel Rack
1 x LINUS14D amplifier in a 3U Case



DOT-NR

Transport dolly for 6 x N-RAY

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