

N-RAY Data Sheet

N-RAY

Ultra Compact 3-way
Line Array System



N-RAY is an ultra compact, 3-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. N-RAY is ideally suited for a variety of small to medium size applications. The system contains two 6.5" ultra low distortion neodymium drivers and a 6" DDP driver, while the SCN-F 15" sensor controlled low frequency extension provides additional headroom with exceptional dynamic range.

Offering a phase linearity similar to AiRAY, a 60 Hz-22 kHz (-6 dB) frequency range and high power handling of 1000 W (AES2), 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 in 1° steps, and features an integrated 3-point rigging system for flown or ground stacked arrays compatible with SCN-F – 15" 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
- ⊕ Frequency range: 60 Hz - 22 kHz (-6 dB)
- ⊕ 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
- ⊕ Quick Release Grille - no tools required
- ⊕ Variable horizontal coverage of 90°, 120°, or asymmetric 105°, variable vertical curving
- ⊕ Acoustically compatible with AiRAY or ViRAY systems
- ⊕ System integration with LINUS loudspeaker management amplifiers

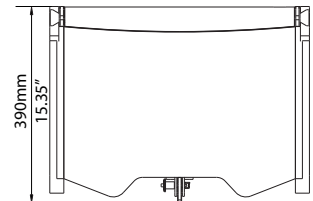
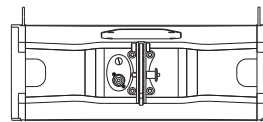
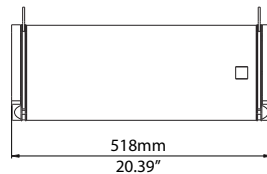
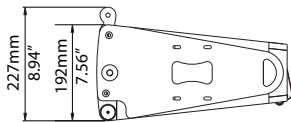


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Product type:	Ultra compact 3-way line array system
Frequency response:	60 Hz – 22 kHz (-6 dB)
Power handling AES2 / peak:	1000 W / 4000 W
Max. peak SPL (with LINUS14):*	143 dB (A)
Amplification, cabinets per amplifier (Optimum / Maximum):	LINUS12C: 12/16 LINUS14D: 12/16
Dispersion horizontal:	90°, 120° or asymmetrical 105°
Dispersion vertical:	Array dependent: 0°, 1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°, 9°, 10°, 12°
Components Low frequency:	2x 6.5" ND, water resistant cones, 2" (50.8 mm) VC, 500 W (AES) each
Components Mid/High frequency:	MF: 3.5" (90 mm) VC, 150 W (AES) each HF: 1.75" (44.4 mm) VC, 80 W (AES) each
Crossover point:	500 Hz / 6300 Hz passive
Input connectors:	2x Neutrik™: 1x NL4MP + 1x Link cable with NL4FX
Nominal impedance LF / MF+HF:	12 Ω (2+/2-)
Enclosure material:	Hybrid Multiplex / Aluminum
Finish:	Polyurea coating
Suspension:	Flying hardware integrated
IP rating options (IEC 60529):	Standard IP54
Weatherproof protection options:	Standard IP55: IP55 (Amphenol connectors) MG1 (Marine Grade 1): IP55
Dimensions (WxHxD):	518 x 192 x 390 mm / 20.39 x 7.56 x 15.35" 518 x 227 x 390 mm / 20.39 x 8.94 x 15.35" (incl. hardware)
Net weight:	15 kg / 33.07 lbs

*Measured with pink noise 12 dB Crest Factor (A-weighted).



Other System Related Products



SCN-F

15" Bass Extension with SC Technology for N-RAY

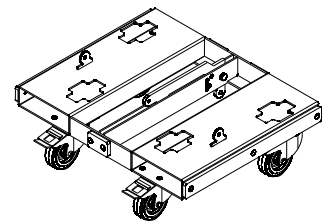
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LINUS M-RACK

4 Channel DSP Amplifier Rack
1 x LINUS14D amplifier in a 3U case



ACCESSORIES

DOT-NR
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