

SCN-F Data Sheet

SCN-F

15" Bass Extension
with Sensor Control Technology
for N-RAY



Targeted towards theatres, houses of worship, corporate events, sport venues, and live sound venues, the SCN-F is a 15" sensor controlled low frequency extension system operating from 35-200 Hz, overlapping both the low range of N-RAY and the SCV/ SCP subwoofers – providing more energy and control in the lower range of the system.

SCN-F Features

- ⊕ 15" sensor controlled bass extension
- ⊕ Extended low frequency range operating 35 Hz - 200 Hz (-6 dB)
- ⊕ Power handling: 1500 W (AES)
- ⊕ Dynamic Airflow Cooling (DAC) ensures exceptionally high sound pressure and low power compression
- ⊕ The feedback loop control ensures extreme fast transient response and ultra low distortion
- ⊕ Subwoofer arrays can be curved for perfect time alignment with N-RAY
- ⊕ System integration with LINUS Loudspeaker Management Amplifiers

The 15" driver contains an integrated velocity sensor that measures the diaphragm movement in real time. The LINUS14 compares this with the audio input signal and adjusts its driving current to correct any driver inaccuracies – the key advantage being a very extended and controlled response. SCN-F is designed to work exclusively with dedicated CODA Audio amplifiers and racks as an integrated solution for DSP and sensor control, amplification, network remote control, and diagnostics, ensuring optimal performance and protection.

SCN-F is equipped with an extremely long excursion neodymium ultra low distortion driver. Three aluminium shorting rings reduce intermodulation distortion, minimising induction variation whilst reducing thermal compression, dramatically reducing the distortion of a typical low frequency driver at larger excursions.

Weighing just 33 kg, and boasting a power handling of 1500 W AES, the SCN-F extends the LF throw capability of the N-RAY system significantly. The flying system allows for vertical curving of the SCN-F too, ensuring perfect time alignment with N-RAY when flown behind or to the side.

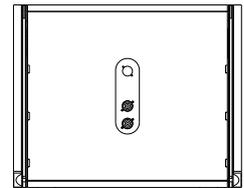
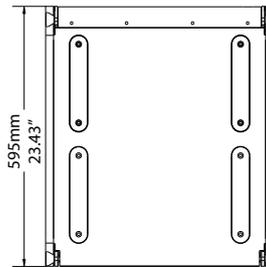
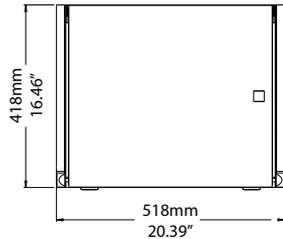
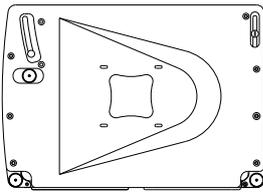


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Product type:	15" Bass extension with sensor control technology for N-RAY
Frequency response:	35 – 200 Hz (-6 dB)
Power handling AES / peak (passive):	1500 W / 6000 W
Max. peak SPL*:	139 dB
Amplification, cabinets per amplifier (Optimum / Maximum):	LINUS14D: 8/12
Components:	15" neodymium ultra-low distortion driver, 4" (101.6 mm) VC,
Input connectors:	2x Neutrik™ NL4MP
Velocity sensors output:	1x Neutrik™ NC3MAV
Nominal impedance:	8 Ω (1+/1-)
Enclosure material:	Hybrid - Birch plywood and Aluminum
Finish:	Polyurea coating
Suspension:	Integrated, allows curving of 0°, 2° or 5°
IP rating options (IEC 60529):	Standard IP54
Weatherproof protection options:	Standard IP55: IP55 (Amphenol connectors) MG1 (Marine Grade 1): IP55
Dimensions (WxHxD):	518 x 418 x 595 mm / 20.39 x 16.46 x 23.43" 518 x 418 x 595 mm / 20.39 x 16.46 x 23.43" (incl. hardware)
Net weight:	33 kg / 72.75 lbs

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



Other N-SERIES Products



N-RAY

3-way Passive
line array module

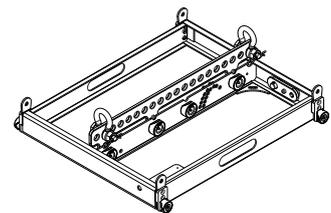
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LINUS M-RACK

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



FR-NR

Frame for flying or ground
stacking of N-RAY and SCN-F

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