

# IS7

The IS7 is a 2-way, full range line array cabinet containing 2x ND7-LM-8 Low-Mid drivers (2x 8 Ω) and an NH3-16 1.4" exit compression driver (16 Ω). The critically optimized waveguide produces a slightly curved wavefront with a nominal dispersion pattern of 100° x 12.5° (H x V). The waveguide's efficiency allows for increased vertical dispersion without sacrificing high frequency presence in the far field. Controlled Summation Technology further eliminates low-mid lobing normally associated with 2-way line source systems.

The cabinet construction uses marine grade birch plywood as well as aircraft grade aluminum and steel, and is equipped with two Speakon™ NL4 connectors, or barrier strips available upon request. A plate and screw rigging system is recessed in the interior of the rear rigging fins for easy assembly.

The IS7 is suited to a wide variety of applications. Its full range capability (80 Hz) at reasonable levels qualifies for applications where no extensive sub energy is required. Increased vertical coverage (12.5°) enables the IS7 to cover small to mid-size venues with reasonable speaker quantity. Target applications include performing arts centers, live performance venues, sports venues, conference centers and houses of worship.

The IS7 is also available in a **weatherized** version, purpose-built for use in challenging environmental conditions. Weatherized cabinets feature structural steel elements made of a high yield strength stainless alloy that offers 100% corrosion resistance. They also include an additional protective mesh on the inside of the front grill, as well as an interior and exterior coating that provides a water-resistant seal and allows for easy cleaning and removal of dirt, grime, saltwater, or sand. Weatherized enclosures are rated to IP55 while their cable glands are rated to IP68.



## Specifications

Frequency Range (+/- 3dB)	80 Hz - 18 kHz
Nominal Directivity (-6 dB) H x V	100° x 12.5°
Maximum Peak SPL**	138 dB
Components LF	2x ND7-LM-8 7" Neodymium Driver
Components HF	Adamson NH3-16 3" Diaphragm / 1.4" Exit Compression Driver
Nominal Impedance LF	16 Ω (2 x 8 Ω)
Nominal Impedance HF	16 Ω
Power Handling (AES / Peak) LF	500 / 2000 W
Power Handling (AES / Peak) HF	110 / 440 W
Rigging	Integrated Rigging System
Connection	2x Speakon™ NL4 or Barrier Strips or Cable Gland
Height Front (mm / in)	236 / 9.3
Height Back (mm / in)	122 / 4.8
Width (mm / in)	527 / 20.75
Depth (mm / in)	401 / 15.8
Weight (kg / lbs)	14 / 30.9
Colour	Black & White (Standard), RAL Colours (On Demand)
Processing	Lake

\*\* 12 dB crest factor pink noise at 1m, free field, using specified processing and amplification

