



Architectural Specification

The Optima 5 is an ultra-compact vertically arraying loudspeaker enclosure that is designed to be both flexible in application and scalable in system size. Operational modes include pole mount, ground stack or flown array while systems can be configured from as compact as two pole mounted enclosures up to a flown drop of eighteen boxes. The cabinet combines two off 5" mid bass cone drivers with a 100 mm planar wave guide loaded on an integral horn structure. The horn structure has a nominal dispersion character of 110° horizontally by 15° vertically. All components use neodymium magnet structures.

The enclosure is manufactured from 15 mm birch plywood and coated in a heavy duty polyurea finish. The cabinet front has a protective steel grill coated in a water resistant powder coat finish which has an acoustically transparent filter medium bonded to its back surface. The enclosure incorporates a fully integrated fly system which permits box to box angle selection in 2.5° increments. Box to box connection is via three Kwik lock pins. To assist transit each cabinet has a handle on each end and the option of a flightcase which accepts six cabinets.

Electrical connection to the cabinet is via two parallel linked Neutrik NL4 MP connectors. All Inspired Audio products are designed as an integrated solution complete with system amplifier options from the eFlex range. The eFlex units provide DSP preset functions, networked software control of operating parameters and output drive power. An eFlex Q5 will drive six Optima 5 enclosures per channel pair while the eFlex Q20 will drive eight Optima 5 enclosures per channel pair.

The Optima 5 has two options to increase the low frequency response of a system. For flown arrays the Optima 5 is combined with the Optima B210 which provides bass and low midrange support for vocal and acoustic source material. Where playback of the input source requires additional bass energy the reFlex B215 can be ground stacked in support of a flown system. Where the system is pole mounted above a bass enclosure either of the two options can be used. For live sound reFlex B215 would be the natural choice while for AV applications, which are predominantly vocal in nature, the Optima B210 offers a discrete and compact footprint.



Optima 5

Mid/bass: 2 off 5" cone drivers

HF: 1 off Planar wave

Frequency response: 100 Hz - 20 kHz

Sensitivity: 2.8 V/1m (Peak): Mid/bass - 96 dB (125 dB)
HF - 112 dB (137 dB)

Power (RMS/Peak): Mid/bass - 200 w/800 w
HF - 80 w/360 w

Impedance: Mid/bass - 16 ohms
HF - 16 ohms

Directivity: 110° h x 0 - 15° v (above 1.5 kHz)

Operation mode: Bi-amplified

Connection: 2 off Neutrik NL4 MP

Wiring protocol: 1+/1- = Mid/bass
2+/2- = HF

Weight: 12.5 kg

Dimensions (mm): 507 w x 155 h x 300 d

Options:

- o Transit flightcase (six cabinets per case.)
- o Optima 5 Crossbow (Combined frame to aid pole mount, ground stack and flying.)
- o Optima 5 Pole Mount Adaptor
- o Optima 5 QT Clamp and TV Receiver

(Peak SPL measurements are taken with a crest factor x4)

Inspired Audio products are designed and manufactured in England. For technical support:

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