



Architectural Specification

The Inspired Audio Vector V20 is a constant curvature, adaptive array module. Vector V20 has nominal coverage angles of 110° horizontal and 20° vertical. The compact and lightweight enclosure houses a slot loaded 10" cone driver with neodymium magnet structure to cover the 55 – 200 Hz pass band, and two 5" cone drivers vertically aligned to cover the 200 -2 KHz pass band. The high frequency range is covered by two 1" exit ring radiators, mounted on a 'Vector guide', planar wave unit, which is centrally mounted in the enclosure. The components are passively combined with a low insertion pad free passive network working in hybrid mode with a system amplifier from the Eflex range.

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 cabinet end cheeks have three Kwik Lok pin housings which allow for the attachment of a yoke, or facilitate box to box connection. The rear of the cabinet end cheek has a slot handle to assist handling of the enclosure.

Electrical connection to the cabinet is via two parallel linked Neutrik NL4 MP connectors. 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. A single output channels from an Eflex Q5, or Q6 will drive three Vector V20 enclosures, while a single output channel of an Eflex Q20 will drive four enclosures

The Vector V20 can be used full-range for audio visual applications, or combined with the Reflex B118 for applications requiring an extended low frequency response. The Vector V20 can be combined with the Vector V10 in a vertical array and powered from a common Eflex amplifier channel, as the enclosures share a common DSP preset function.



Vector V20

Bass: 1 off 10" cone driver
Mid-range: 2 off 5" cone drivers
HF: 2 off 1" exit ring radiators

Frequency response: 55 Hz - 20 kHz

Sensitivity - Bass (Peak): 96 dB (127 dB)

Mid-range (Peak): 102 dB (131 dB)

HF (Peak): 115 dB (137 dB)

Power (RMS/Peak) - Bass: 300 w/1000 w

Mid-range: 180 w/720 w

HF: 70 w/280 w

Impedance - Bass: 8 ohms

Mid-range: 16 ohms

HF: 16 ohms

Directivity - Bass: Omni-directional

Mid-range: Omni-directional

HF: 110° h x 20° v

Operation mode: Bi-Amp and passive versions available

Connection: 2 off Neutrik NL4 MP linked

Wiring protocol (Bi-amp): 1+/1- = Input (Bass)
 2+/2- = NC (Mid/HF)

Weight (Packaged): 22 kg (23.5 kg)

Dimensions (mm): 507 w x 330 h x 450 d

Packaged (mm): 550 w x 375 h x 500 d

Options:

- Mounting yoke
- Ground stack frame
- Fly frame

(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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