



technical specifications VR5

general

- RBN202 pro-ribbon HF driver with exceptional intelligibility and dynamic output
- Patented “Real-90” horizontal and patent-pending vertical dispersion
- 1:1 non-compressed linear sound reproduction, with up to 90% less distortion
- SIS™ pre-wired for very high damping and further reduced distortion (with ALC)
- Ultra-compact, multi-angle enclosure provides versatile deployment
- All Neodymium drivers for excellent performance-to-weight ratio

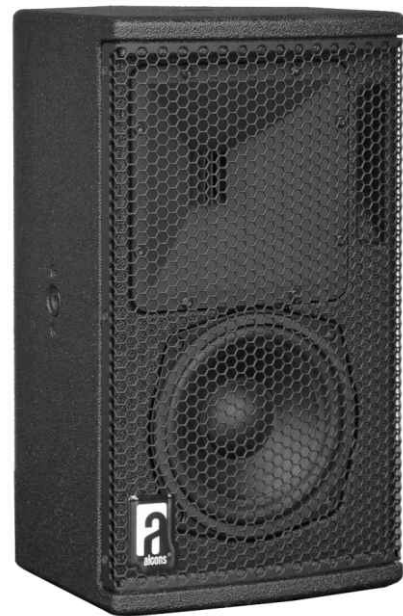
description

The VR5 is a 2-way mini versatile loudspeaker, specifically designed for near-field applications where ultimate fidelity response needs to be projected with wide horizontal and vertical coverage.

The system brings the typical clear, dynamic and ultra-low distortion Alcons signature sound of the larger systems in a very small and unobtrusive package, for both portable and permanent applications.

The VR5 consists of the RBN202 pro-ribbon driver for HF and a dedicated-designed 5” mid-bass with Active Coil™ for extremely low-distortion LF reproduction. The VR5 HF section has a 500 W peak power input, enabling a 1:16 dynamic range with up to 90% less distortion from 1 kHz to beyond 20 kHz.

The patented (90-degrees) horizontal and patent-pending (60-degrees) vertical dispersion of the revolvable waveguide,



offers a wide and consistent coverage up to the highest frequencies; Very important for the imaging in stereo or immersive systems.

Due to the “compression-less” principle of the pro-ribbon transducer technology, the system has a fully linear response at any SPL, for an intuitive 1:1 performance.

For full system performance, the VR5 needs to be driven by an ALC controller-amplifier, delivering maximum sound quality with increased headroom and utmost operation reliability and flexibility.

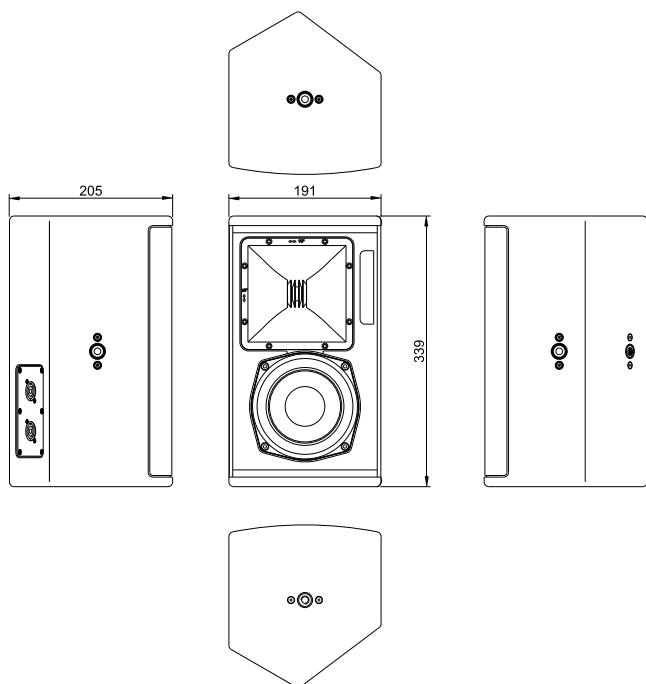
The Signal Integrity Sensing™ pre-wiring ensures complete cable/connector compensation between the VR5 and ALC, significantly increasing response accuracy, regardless of cable length and system impedance, with tight and accurate mid and bass response as result.

The combination of the asymmetric multi-angle enclosure, the revolvable waveguide and the ACO™ color option provides for inconspicuous low profile stage, stand, wall or ceiling positioning. The 5 M10 mounting points enable swivel bracket, shoulder eye bolt and mic stand deployment.

Typical (short to medium throw) applications for the VR5 range from reference monitor, low-profile stage-lip/front-fill, stage monitor, under-balcony system up to a nearfield main PA system, in combination with a separate subwoofer.

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dimensional drawing



technical specifications

Frequency response	67 Hz - 20.000 Hz (+/- 3 dB)
	59 Hz - (+/- 10 dB)
Sensitivity nominal	98 dB (200 Hz - 10 kHz)
Nominal impedance	16 ohms
Recommended drive	Sentinel3 min., max. 6 pcs. per
	channel (2.7 ohms)
Nominal SPL peak	121 dB (Sentinel3 200 Hz - 10 kHz)
	127 dB (Sentinel10 200 Hz - 10 kHz)
Dispersion	90° x 60° or 60° x 90° (@ 20 kHz)

physical specifications

System	2-way, full-range	
Filtering	passive	
Drivers LF	1x AMB5NDAIC-16 5", vented	
Drivers HF	1x RBN202rs 2" pro-ribbon driver	
Connectors	2x Speakon NL4 input/link	
Physical dimensions	mm	inches
	Height	339 13.3
	Width	191 7.5
	Depth	205 8.0
Weight (approx.)	6,0 kg	13.2 lb
Warranty	6 years limited	

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