



T SERIES

VT 108

Very compact vocal full-range cabinet with exceptional phase linearity, speech intelligibility, and dynamic range. Can be used either as a full-range enclosure without controller, as a floor monitor or as a mid/high module in combination with a subwoofer, such as the self-powered HK AUDIO DL 115 Sub A. Ideal for distributed speech-reinforcement and near-field applications such as corporate events, panel discussions or installation projects. Integral passive crossover.



Technical Specifications:

Power Handling Nominal (RMS):	200 watts
Power Handling Program:	300 watts
Frequency Response:	100 Hz - 19 kHz ± 3 dB
Axial Sensitivity 1W @ 1m:	101 dB* (95 dB in full space)
Maximum SPL @ 1m:	122 dB* @ 10 % THD (116 dB in full space)
Nominal Impedance:	16 Ohms
Low/Mid Driver:	8" HK AUDIO custom loudspeaker
High-Frequency Driver:	1" B&C
Horn:	90° x 60° CD Horn
Crossover Frequency:	1.8 kHz passive, 12 dB / octave
Connectors:	(2) Speakon NL 4, (1) pair of binding posts
Housing:	12 mm (1/2") thick, 9-ply birch plywood
Cabinet Finish:	two-part polyurethane lacquer
Front Grille:	metal grille with 15 mm acoustic foam
Suspension Hardware:	(8) threaded M8 bushings (360° frame and other mounting equipment available as an option)
Pole-mount Adapter:	adaptor plate for 35 mm poles available as an option
Weight:	8 kg (17.6 lb)
Dimensions:	23.5 x 40.5 x 23.5 cm (9.25" x 16" x 9.25")

* measured in half space.



Description

Performance:

The **VT 108** is a passive vocal/full-range loudspeaker system for reproduction of speech. It is recommended especially for its vocal intelligibility, exceptional phase-linear response and broad dynamic range. For expanded low-end, the self-powered HK AUDIO DL 115 Sub A Subwoofer or the passive IL 115 Sub (installation model) are recommended.

It is primarily designed for near-field sound reinforcement applications requiring excellent intelligibility.

The **VT 108** can be operated with or without a system controller. For maximum operating efficiency, the use of an HK AUDIO Digital Field Controller is recommended.

Design and components:

The **VT 108** loudspeaker system consists of a direct-radiating 8" HK AUDIO Custom cone woofer and a 1" B&C high-frequency driver mounted on a 90° x 60° constant-directivity horn. The drivers are axially aligned.

Acoustic and electronic details:

The **VT 108** has a frequency range from 100 Hz to 19 kHz (± 3 dB) and a power-handling capacity of 200 watts RMS into a 16-Ohm load. The sound pressure level measured at 1W@1m is 101 dB (in half-space), and the maximum sound pressure level (at 1m) is 122 dB (in half-space).

The rear panel of the **VT 108** incorporates two Neutrik NL4 Speakon® connectors plus one pair of binding posts, all of which are recessed. All connections are wired in parallel. In the Speakon® jack, pins 1+ and 1- carry the signal.

Physical description:

The cabinet is constructed of 1/2"-thick, 9-ply void-free Baltic birch plywood. The enclosure is multi-functional in shape, 9.25" wide by 16" tall by 9.25" deep (23.5 x 40.5 x 23.5 cm). Weight is 17.6 lbs (8 kg).

The housing is finished with a waterproof grey two-part polyurethane topcoat. The baffle is protected by a metal grille and durable, 5/8"-thick acoustic foam.

The **VT 108** offers 8 threaded M8 bushings, which are placed in pairs at the top, bottom, left and right sides of the housing. A 360° frame and a 35-mm pole-mount cup adaptor are available as an option.

Connector plate:



Architectural Specifications

The 2-way full-range loudspeaker system shall incorporate an 8" LF-MF speaker and a 1" HF compression driver.

The LF-MF speaker shall be mounted in a vented enclosure tuned for optimum low frequency response and the HF driver shall be loaded on a constant directivity horn. The nominal coverage pattern of the horn shall be 90° horizontally and 60° vertically. An internal passive filter network shall provide the acoustical crossover as well as system frequency and phase correction.

System frequency response shall vary no more than ± 3 dB from 100 Hz to 19 kHz measured on axis. The system shall produce a sound pressure level (SPL) of 101 dB on axis at 1 meter with a power input of 1 watt in half-space and shall be capable of producing a maximum output of 122 dB on axis at 1 meter with 10% THD. It shall handle 300 Watts RMS and shall have a nominal impedance of 16 Ohms.

The enclosure shall be multi-functional in shape so that it can be used either as front-of-house or as a monitor cabinet. It shall be constructed of 1/2"-thick, 9-ply void-free Baltic birch plywood and shall be finished in grey polyurethane. Two threaded M8 bushings each shall be provided at the top, bottom, left and right sides of the housing. Input connectors shall be two Neutrik NL 4 Speakon® jacks as well as one pair of binding posts. The system baffle shall be protected by a perforated metal grille covered with 15-mm thick acoustic foam.

The 2-way full-range loudspeaker system shall be the HK AUDIO model **VT 108**.