

Spec Sheet

DVA T4

3-Way Active Line Array Midrange
8"/6.5"/2x1", 420W **digipro**



Applications

- Music playback and sound reinforcement for mid-size and large venues
- Live sound for rental application
- Portable PA, clubs, ballrooms, live theatre
- House of worship and corporate A/V professionals

Features

- 3-Way Active Line Array module
- 420W Class-D Digipro amplifier
- 24 bit DSP - 24 bit \ 48 kHz A/D conversion
- Crossover freq. MF-HF 1800 Hz
- Crossover freq. LF-MF 400 Hz
- Switched Mode Power Supply
- Polypropylene PP reinforced cabinet
- Integrated rigging hardware

Description

A three-way active line array system, the DVA T4 has set new standards in the sound reinforcement industry since its 2007 market launch. Better yet, it has brought the benefits of real line array technology to a much wider range of users.

The DVA T4 is equipped with unique digital power amps that provide a total of 420W RMS. Driven by Digipro® technology, their resolution is several-fold that of conventional digital amps. They render signals very accurately with this high-definition audio capability. It features DPP™ (Digital Power Processing) technology and a multiband compressor/limiter with separate response curves for each signal path. Its dynamic range is exceptionally wide.

This innovative circuitry not only maximizes dynamic response, it also ensures signals are rendered accurately and uniformly even at threshold levels.

The 8" Neodymium-Woofer is equipped with a high power 2.5" voice coil to provide superior sound pressure level in a very compact size.

The 6.5" Neodymium-Midrange speaker has a sealed basket to provide an optimized volume capacity including high sensitivity and superb sound reproduction. It also has a horn exit including phase plug for defined and linear sound emission.

The build in 1" Neodymium- Drivers are equipped with a 1.4" Mylar- Membrane which allow a very quick response and provide a linear frequency range at a surprisingly low weight. This driver was specially designed for the use with Line-Arrays. Its compact measurements allow very close proximity which is a main factor for minimum interference.

The DVA T4 Top is equipped with a constant directivity horn for the High and Mid section and offers a nominal coverage angle of 100°x15°. The CD-Horn provides high flexibility and a good natured attitude if, for instance, the Array is not aligned correctly.

The DVA uses apart from the formation of cylindrical waves (very much depending on the number of T4 elements), the vector summing of the individual horns. This means that with growing distance to the source (if set up is correct), the listener perceives more and more vector sums of the single elements.

The DVA T4 comes with precisely engineered flying hardware that, in combination with the extremely low weight, allows easy and fast setup of the whole system.

DVA T4

Technical Specifications

System Specifications

Speaker Type	3-Way Active Line Array module	
Max SPL	128 dB	
Frequency Response	[+/-3 dB]	80 Hz - 19.000 Hz
Dispersion pattern	[H x V]	100° x 15°, single unit
Drivers	LF MF HF	1 x 8" Neodymium woofer - 2.5" v.c. 1 x 6.5" Neodymium midrange - 1.5" v.c. 2 x 1" Neodymium compression driver - 1.4" v.c.
Inputs	1 x XLR (Audio Input)	
Input Sensitivity	Nominal	0 dBu
Controls	1 x Input Sensitivity rotary switch 1 x DSP setup rotary switch (10 presets)	
Outputs	1x XLR (Audio Link Out)	

Amplifier

Amplifier technology	Digipro®	
Amp Class	Class-D	
RMS Power	420 W (HF Amp 100W, MF Amp 100W, LF Amp 220W)	
Power supply	420 W SMPS with PFC	
Cooling	Convection, fan-free	
Power Connections	Powercon® input (blue) Powercon® Link (grey)	

Processor

Controller	Analog Devices	
AD/DA converter	24 bit/48 kHz	
System Presets	8, HF/Low-mid correction	
Limiter	Dual Active Limiter Multiband RMS, Peak, Thermal	
X-over frequencies	MF-HF	1800 Hz
LF-Xover out slope	MF-HF	24 dB/Octave
X-over frequencies	LF-MF	400 Hz
LF-Xover out slope	LF-MF	24 dB/Octave

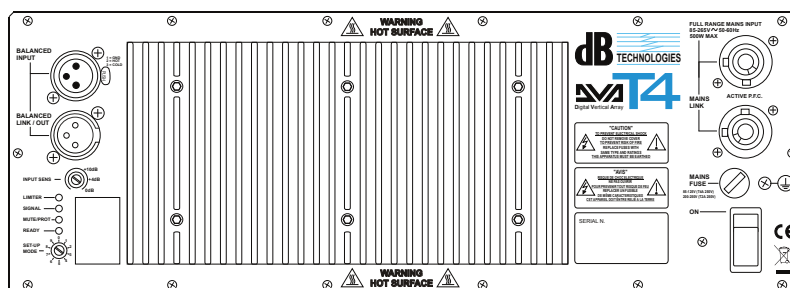
Mechanics

Enclosure	Box Housing Design	Polypropylene PP reinforced Trapezoidal 15°
Rigging Points	Integrated rigging hardware	
Dimensions (W x H x D)	580 x 240 x 327 mm (23.2 x 9.6 x 13.08 in)	
Weight	13.8 kg (30.42 lbs.)	

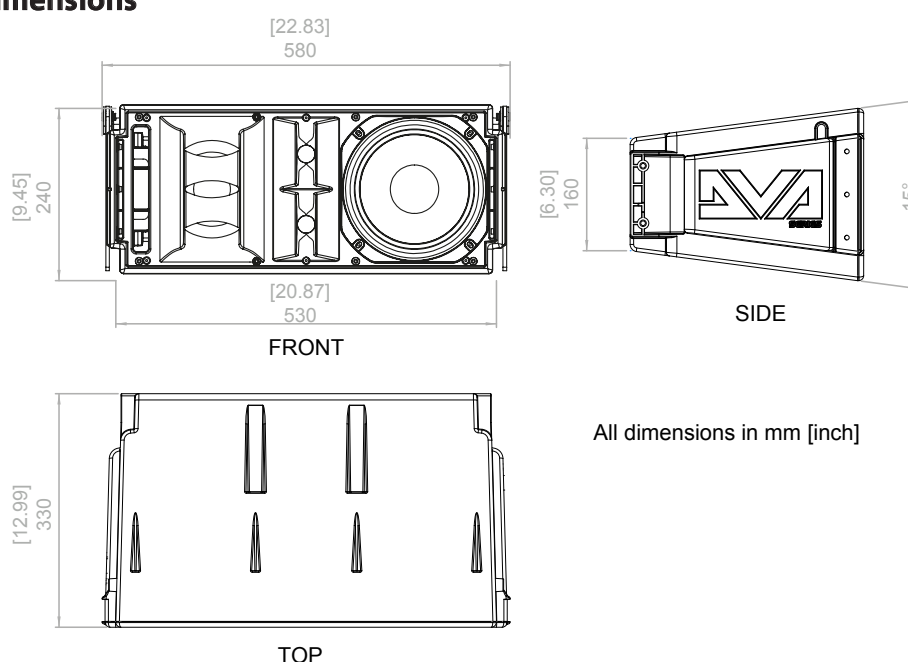
DVA T4

Technical Specifications

Rear Panel



Overall Dimensions



Accessories

DAC 15	Powercon-Powercon link cable. 1,5m length
DCK 15	Cable-set with 1xPowercon-Powercon Patch Cable 50cm, 1xXLR-XLR Patch Cable 50cm
DCK 45	Set with 1xPowercon/IEC Plug cable 10m, 3x Powercon slave 50cm, 3xXLR cable 50cm
DF 4	Fly case for DVA T4 and T8 modules
DPC 15	Powercon-Powercon power link cable (50cm)
DRK-10	Fly bar for DVA systems. Designed to hang up to a maximum weight of 250 Kg
DRK-20	Fly bar for DVA systems. Designed to hang up to a maximum weight of 1800 kg
DRK-20M	Motoryzed fly bar for DVA systems with RDNet control. Maximum weight of 1000 kg
DRP T4	Rain cover for DVA T4
DS 2	Pole Mount 35mm, adjustable, M20 thread
DSA 4	Adapter for up to 3 DVA T4/T8 on a speaker stand/pole or floor use
DT 6	Metal trolley to carry up to 6 DVA T4/T8 modules or up to 4 DVA T12 modules
DTF 4	Bundle: DT 6 Metal-Trolley + Professional Flight case DF 4
DWB 3	Metal frame for hanging up to 3 DVA T4/T8 modules in fixed installations on walls

info@dbtechnologies.com **www.dbtechnologies.com**

dBTechnologies products are continually improved. All specifications are therefore subject to change without notice.