



PK VX12 | High Power Line Array

FEATURES & BENEFITS

- High efficiency self powered modules
- Ground stacking & quick fly
- Exceptional fidelity and output
- Extremely low distortion
- Light weight and truck smart
- Selectable DSP configurations
- Optional Cobranet & RLaB remote monitoring



The high frequency section consists of three 1.75" planar wave drivers meticulously engineered to provide perfect acoustical coupling with adjacent cabinets, creating a continuous isophasic line source. Quad 6" neodymium, low distortion midrange drivers provide exceptional dynamic intelligibility.

Dual high power 12" transducers with 3" voice coils together with an extremely powerful external neodymium magnet assembly assure high flux concentration, low power compression and excellent heat exchange. Convenient quick fly rigging provides efficient flown and ground stacked options.

A maximum of 12 cabinets can be flown with a 7:1 safety factor from 0° – 10° at 2° increments. Cabinets are transported in groups of 4, stacked on wheeled carts to further enhance quick load-ins and -outs. Each powered cabinet houses a high efficiency 2500 watt class D amplifier with built-in TI DSP and an optional Cobranet remote interface. Innovative post-filter feedback class-D topology achieves ruler-flat frequency response, low distortion and high damping across the whole audio band.

Amplifiers use the latest generation power MOSFET transistors and highly optimized output stage for up to 95% efficiency, allowing for quiet fanless operation and unprecedented power levels.

The cabinet is constructed from 100% void-free Baltic birch, CNC crafted to perfection and coated in the industry's toughest ExL Polyurea finish. The finish is not only 100% waterproof and chemical resistant, but it also outlasts any other manufacturer's coating by years. This coating is very easy to clean and maintain; a quick wipe down and 10-year-old cabinets look like they just rolled off the production line. Perforated metal black grills lined with acoustic black foam further enhance the weather-resistant properties of double-treated transducer cones.

CABINET DETAILS

DIMENSIONS	48.3"w x 16.5"h x 21.1"d (1228mm x 420mm x 535mm)
WEIGHT POWERED	155 lbs (70.5kg)
ENCLOSURE	13ply 18mm void free Baltic birch
FINISH	ExL Polyurea – Standard Black available in any color
GRILL	Perforated metal grill lined with acoustical black foam
RIGGING	Quick Fly Adjustable 0° – 10° – 2° increments
	12 boxes maximum with 7:1 safety factor

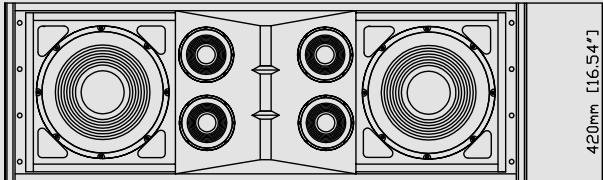
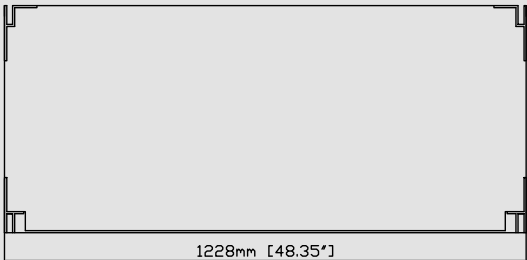
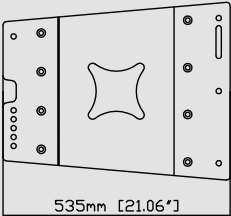
TRANSDUCERS

LOW – 12" HIGH EXCURSION NEODYMIUM	1200w AES
MID – 6" LOW DISTORTION NEODYMIUM	500w AES
HIGH – 3 X 4" PLANAR WAVE DRIVERS	240 w AES
NOMINAL IMPEDANCE	4ohm LF
	8ohm MF
	5.3ohm HF



ACOUSTICAL

OPERATING FREQUENCY	40hz – 20kHz
FREE FIELD RESPONSE	65hz – 19kHz +-3db
MAX SPL @ 1M	141db
HORIZONTAL COVERAGE	90°
VERTICAL COVERAGE	10°





AMPLIFIER

TYPE	Class D – 300kHz Switching
EFFICIENCY	Up to 95%
POWER	2500 W
THD+N	>0.02%
DAMPING FACTOR	>200
INPUT	Balanced XLR
INPUT IMPEDANCE	50K ohm
OUTPUT	Balanced XLR
REMOTE CLIP MONITORING	Optional
COBRANET	Optional
DSP 1 (WITHOUT COBRANET)	90hz HP 24db/oct
DSP 2 (WITHOUT COBRANET)	40hz HP 24db/oct

AC POWER

VOLTAGE	90–132VAC (190–255 Optional)
CONNECTOR	Neutrik Powercon
CONTINUOUS MAX CURRENT CONSUMPTION	10 amps (120VAC)