

ADVANCED LINE ARRAY



FEATURES:

- ▶ **Highly Planar Wave Front/ Extreme Output:**
Use of a Neodymium Mid/HF EXO-LD Drivers on patented Q-Drive™ Same-Source™ WaveShaper™ achieves 1/4 wave planarity to 17.5kHz .
148 dB Max SPL per 7208XT module. (375 Hz to 22kHz)
- ▶ **Aiming/Positioning Control**
XY-On™ prediction and control software to aid in array placement and curvature angles.
- ▶ **Rigging**
XYON™ Z-MAX™ highly modular rigging system supports Up to 16 - 7112AL Modules
- ▶ **QUAD-One™ Low Frequency Focusing**
Turns two mirrored modules into a single low frequency horn aperture creating advanced driver coupling. All drivers focus on the same quadrant of a sphere resulting in higher directivity wavefront and as much as a 9dB gain over conventional direct

DESCRIPTION:

There are several design concepts that make XYON™ Advanced Line Array elements unique.

Box elements are configured with alternating upright and inverted units, paired to create a low frequency horn, termed QUAD-One™. By focusing all four LF drivers at the same quadrant of a sphere, greater directivity and increased sensitivity to the low frequency section is realized. Other companies claim low frequency directivity only after large arrays are assembled but XYON™ array elements achieve much higher directivity and output with as few as two elements.

The XYON™ line array is capable of producing extremely high and phase coherent output. This is achieved through the use of a Neodymium Mid/HF EXO-LD Driver on patented Q-Drive™ Same-Source™ WaveShaper™. One driver, eliminating crossover and phase/time anomalies, reproduces all vocal and high frequencies. This allows increased power handling and extended bandwidth not achieved before in a small format horn. One Q-Drive™ module is used in the 7208XY element.

Elements are configurable for ground stack and flown applications. The use of modern technology power amps and digital processing eases the purchasing requirements of amplifiers, processors, and cabling. All models are wired for bi-amplification. Optional tri-amplification configuration with LF pass through is available. It is possible to power 4 boxes using just two power amps (in two-way wiring configurations). Recommended amplifiers and wiring configurations are available online, as well as processor downloads for commonly available signal processors. XY-On™ prediction and control software is available to calculate optimum curvature angles based on the seating areas.

The new Sound Bridge XYON™ line consists of three formats: Large Format, Mid-size and Compact. Matching subwoofer elements are currently in development and release is anticipated by May of 2005.

SPECIFICATIONS:

WEIGHT	69 lbs. plus rigging
DIMMS	8.75 x 38.75 x 20.25 (h x w x d)
Cabinet	18MM 13 ply Baltic Birch/ High Tensil UHMW Composite
Finish	Tour Grade Duracoat™
Grill Material	12 GA Steel with 45 ppi 1/2" acoustically transparent foam.
Rigging	XYON™ Z-MAX™ highly modular rigging system
Number of Cabinets Supported	Up to 16 - 7208XT Modules
Directivity/Aiming Control	XYON™ Patented XY-On™ prediction software
Mobility	Birch LOX-ON™ Dolly Supports up to 6-7208XT Modules
System Wiring Configuration	Two Way
Input Connectors	Dual NL-4's
Recommended Amplification	One Crown I-TECH 4000 or Similar Per Two Modules
System Component Overview	2- 8" Neodymium LD Transducer/ 1- Neodymium Mid/HF EXO Driver
System Operational Range	70 Hz - 22 kHz (+/- 3dB) 55 Hz - 22 kHz (+/- 6dB)
Maximim Peak SPL	130 to 148 dB frequency and driver dependent
Beam Width Mid/High	Vertical 10 Deg +/- 3dB Horizontal 90 or 120 Deg +/- 3dB
Beam Width Low Frequency	Vertical Frequency and Array Size Dependent Horizontal 90 or 120 Deg +/- 3dB Frequency and Array Size Dependent
Low Frequency	2- 8" Neodymium Low Distortion Transducer
Nominal Impedence Per Driver/ Per Box	4 Ohms
Power RMS/Peak	500 Watts/ 1000 Watts Program
Sensitivity (1W/1M or 3.3 ft.)	103 dB (Single Enclosure) 109 dB (Two Enclosures)
Max SPL Peak Output	133 dB (Single Enclosure) 139 dB (Two Enclosures)
Crossover	High Pass 70 Hz Low Pass 400 Hz
Mid/High Frequency	1- Neodymium Mid/HF EXO-LD Driver on Patented Q-Drive™ Same-Source™ WaveShaper™
Nominal Impedence Per Driver/ Per Box	16 Ohms
Power RMS/Peak	250 Watts/ 1000 Watts Peak
Sensitivity (1W/1M or 3.3 ft.)	118 dB (Single Enclosure) 121 dB (Two Enclosures)
Max SPL Peak Output	148 dB (Single Enclosure) 151 dB (Two Enclosures)
Crossover	High Pass 400 Hz

Sound Bridge Acoustic Labs is dedicated to excellence. Therefore, we retain the right to improve design, materials, and workmanship.

(Or in legal jargon: Prices and Specifications are subject to change without notice)

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