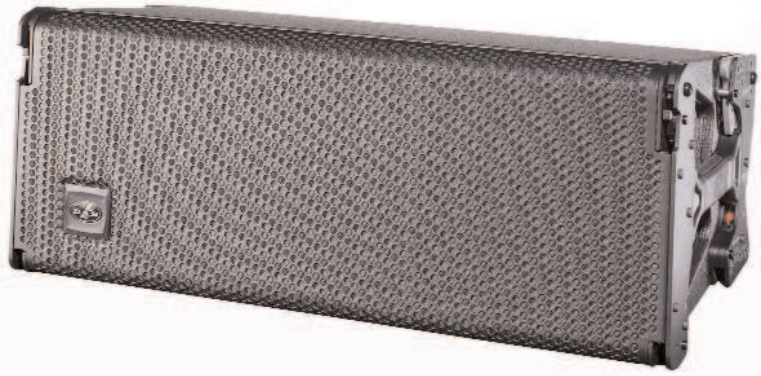
event 208A

Powered, tri-amplified compact line array module



- **» Tri-amplified 3-way system**
- **» Light-weight Class D amplifier**
- **» Easy-DSP™ Interface**
- **» Top grade Birch cabinet construction**
- **» Robust "quick-rig" professional rigging hardware**

The Event 208A makes use of the M-75 compression driver with 75 mm aluminum EFW voice coil and titanium diaphragm for HF reproduction. The proprietary injected aluminum HF wave-guide has been designed specifically for the Event Line Arrays providing precise 90° horizontal coverage.

The Event 208A low/low-mid frequencies are reproduced by two 8" cone speakers. This section uses a "twin-band" configuration where each speaker operates in a specific frequency range. At low frequencies, the speakers work in tandem for maximum power, each driven by a dedicated amplifier channel providing 360 Wpeak output power. Above the low frequency range, the advanced digital signal processing feeds the mid signal to only one of the two low frequency drivers, while the other is rolled off. This technique eliminates off-axis interference between the drivers enabling the Event Line Arrays to maintain optimal polar and frequency response characteristics throughout the low and low-mid operating ranges.

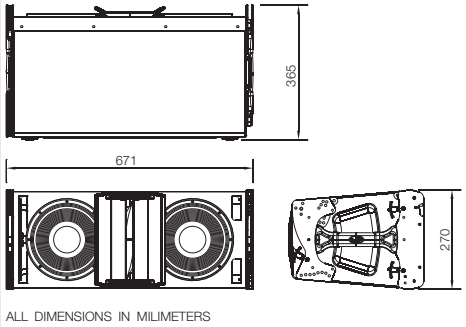
Each individual enclosure for the low frequency drivers has been tuned to provide optimum response for the specific operating range of each driver. In the same fashion, the digital signal processing, limiting and protections are specific to each way, reducing intermodulation distortion.

The Easy-DSP™ Interface provides fast and easy line array configuration. The frequency response of each unit can be modified depending on the number of units in the array. A "downfill" correction is also available.

Technical Specifications

Low Frequency Power Amplifier	360 W_{peak} - 180 $W_{continuous}$
Mid Frequency Power Amplifier	360 W_{peak} - 180 $W_{continuous}$
High Frequency Power Amplifier	360 W_{peak} - 180 $W_{continuous}$
Input Type	Balanced Differential Line
Input Impedance	Line: 20 kohms
Sensitivity	Line: 6.2 V (+18 dBu)
On-axis Frequency Range (-10 dB)	75 Hz - 20 kHz
Maximum Peak SPL at 1 meter	132 dB
Nominal -6 dB Beamwidths	90° Horizontal - Splay Dependent Vertical
Enclosure Material	Birch Plywood
Finish	Black/ISO-Flex Paint
Transducers/Replacement Parts	LF: 1 x 8CM4/GM 8CM4 MF: 1 x 8CM4/GM 8CM4 HF: 1 x M-75/GM 75
Connectors	INPUT: Female XLR LOOP THRU: Male XLR AC INPUT: powerCON FCA AC OUTPUT: powerCON FCB
AC Power Requirements	115 V, 2.6A, 50 Hz/60 Hz 230 V, 1.3A, 50 Hz/60 Hz
Dimensions (H x W x D)	27 x 67 x 36.6 cm - 10.6 x 26.4 x 14.4 in
Weight	30 kg (66 lb)
Accessories (optional)	AX-event 208 / Pick-Up AX-event 208 / AXS-event 208 / PL-event208S / FUN-4-event208

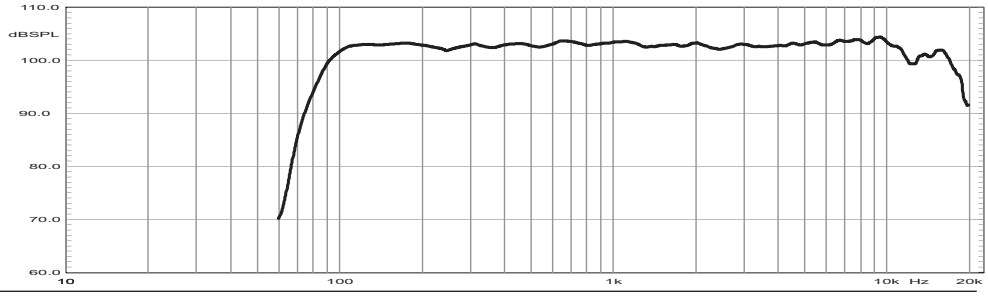
Dimensions



ALL DIMENSIONS IN MILIMETERS

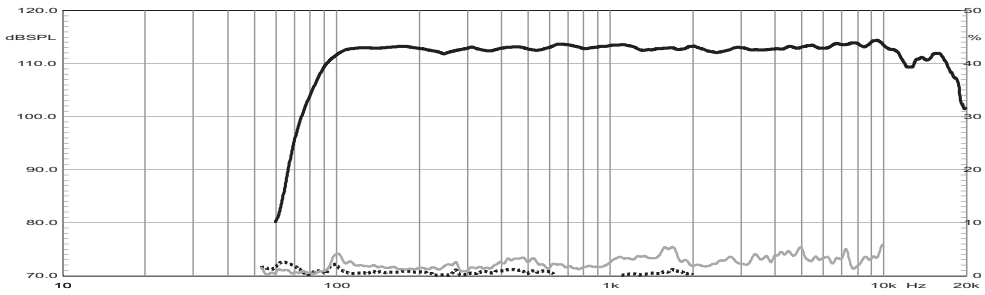
Frequency Response

Shows the frequency response at 1 m of a unit radiating to an anechoic environment and driven by a swept sine wave signal (-10 dBu input - 1 unit pre-set).



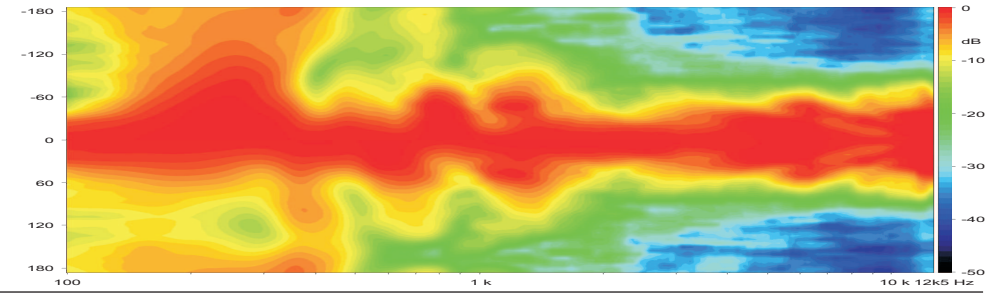
Distortion

Shows the Second Harmonic Distortion (grey) and Third Harmonic Distortion (dotted) curves for a unit driven by a swept sine wave signal (0 dBu input).



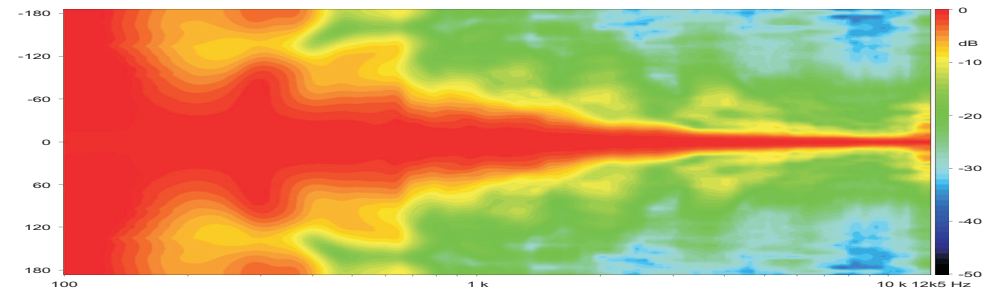
Horizontal Directivity

Shows normalized horizontal isobar plot.



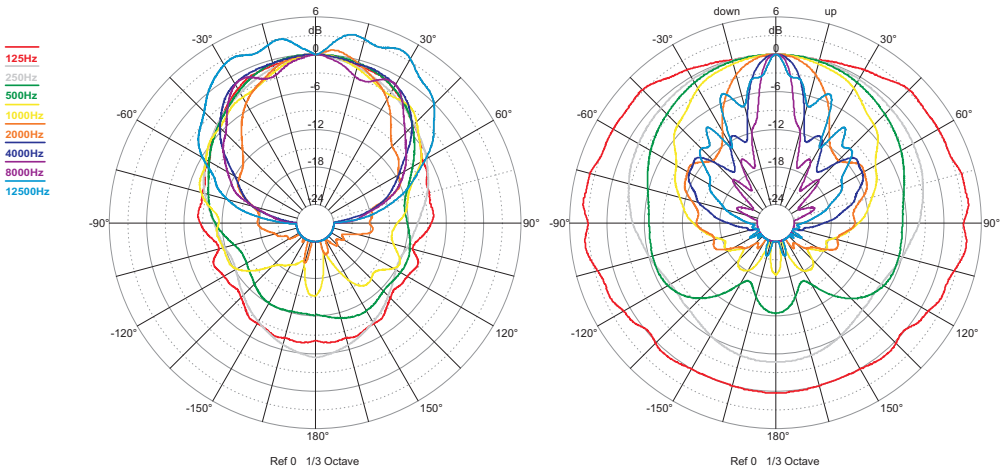
Vertical Directivity

Shows normalized vertical isobar plot.



Polar Response

Shows the 1/3 octave band horizontal (left) and vertical (right) polars for the indicated frequencies. Full scale is 30 dB, 6 dB per division.



NOTES. 1.Frequency response: referred to 1 m; low end obtained through the use of near field techniques; one-third octave smoothed for correlation with human hearing. 5.Polars were acquired by placing the unit on a computer controlled turntable inside our anechoic chamber. Measurement distance was 4 m.

Product improvement through research and development is a continuous process at D.A.S. Audio. All specifications subject to change without notice.

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