

# event 210A

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 210A 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 waveguide has been designed specifically for the Event Line Arrays providing precise 90° horizontal coverage.

The Event 210A low/low-mid frequencies are reproduced by two 10" 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 W<sub>peak</sub> 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.

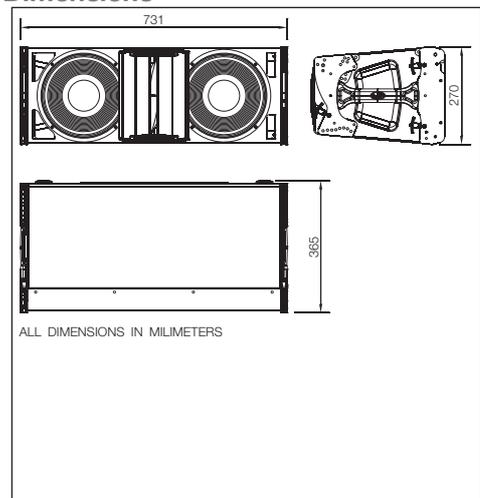
Each individual enclosure for the low frequency drivers has been tuned to provide optimum response for the specific operating range of each driver. In the same fashion, the digital signal processing, limiting and protections are specific to each way, reducing intermodulation distortion.

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

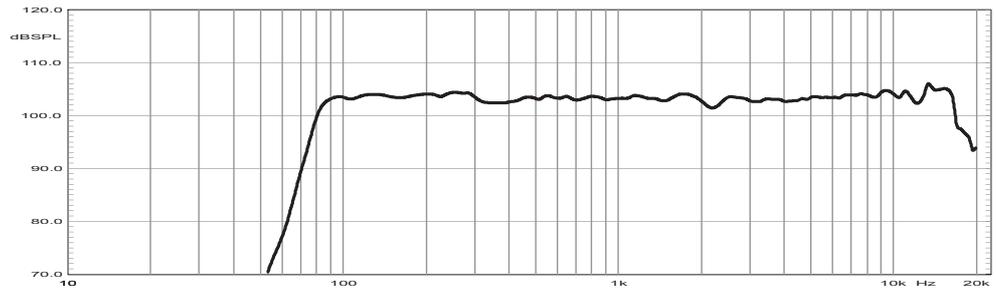
<b>Low Frequency Power Amplifier</b>	360 W <sub>peak</sub> - 180 W <sub>continuous</sub>
<b>Mid Frequency Power Amplifier</b>	360 W <sub>peak</sub> - 180 W <sub>continuous</sub>
<b>High Frequency Power Amplifier</b>	360 W <sub>peak</sub> - 180 W <sub>continuous</sub>
<b>Input Type</b>	Balanced Differential Line
<b>Input Impedance</b>	Line: 20 kohms
<b>Sensitivity</b>	Line: 6.2 V (+18 dBu)
<b>On-axis Frequency Range (-10 dB)</b>	70 Hz - 20 kHz
<b>Maximum Peak SPL at 1 meter</b>	134 dB
<b>Nominal -6 dB Beamwidths</b>	90° Horizontal - Splay Dependent Vertical
<b>Enclosure Material</b>	Birch Plywood
<b>Finish</b>	Black/ISO-Flex Paint
<b>Transducers/Replacement Parts</b>	LF: 1 x 10Mi4/GM 10Mi4 MF: 1 x 10Mi4/GM 10Mi4 HF: 1 x M-75/GM 75
<b>Connectors</b>	INPUT: Female XLR LOOP THRU: Male XLR AC INPUT: powerCON FCA AC OUTPUT: powerCON FCB
<b>AC Power Requirements</b>	115 V, 3 A, 50 Hz/60 Hz 230 V, 1.5 A, 50 Hz/60 Hz
<b>Dimensions (H x W x D)</b>	27 x 73 x 36.6 cm - 10.6 x 28.7 x 14.4 in
<b>Weight</b>	34 kg (74.8 lb)
<b>Accessories (optional)</b>	AX-event 210 / Pick-Up AX-event 210 / AXS-event 210 / PL-event210S / FUN-4-event210

## Dimensions



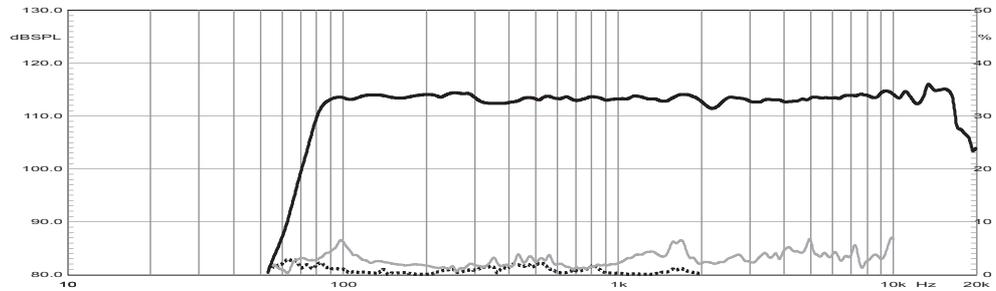
**Frequency Response**

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).



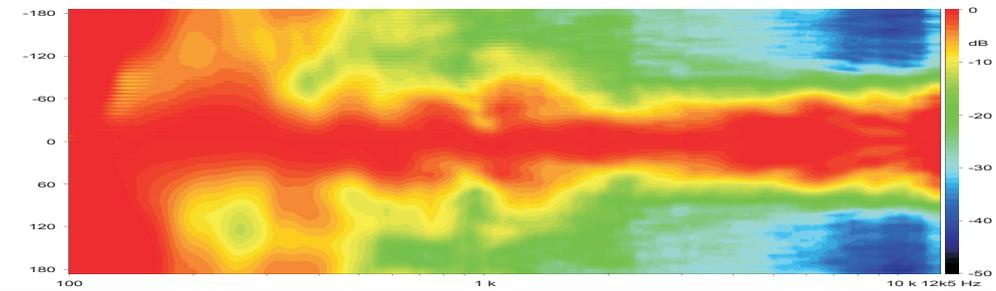
**Distortion**

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).



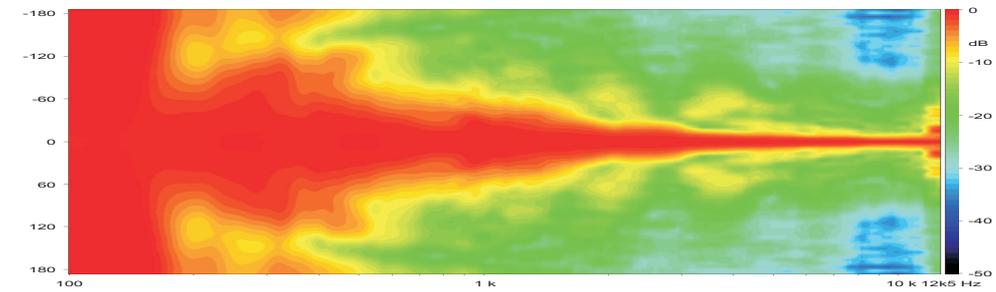
**Horizontal Directivity**

Shows normalized horizontal isobar plot.



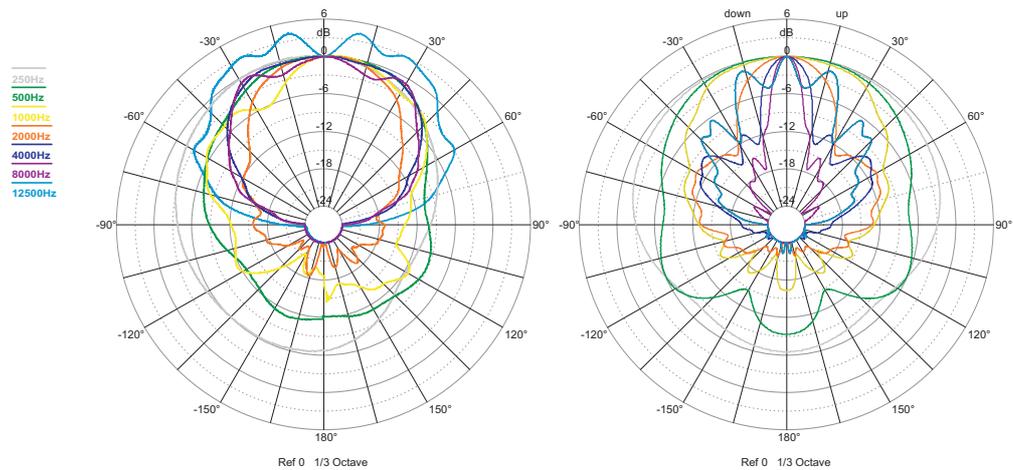
**Vertical Directivity**

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.