

CROSSFIELDARRAY-2HTH[™]

The One Systems Cross Field Array-2 HTH (CFA-2 HTH) was designed to provide very high intelligibility and acoustic output where long throw requirements are specified. The enclosure features all 316 (Marine) grade stainless steel rigging. The grill assembly and all other fasteners are 304 grade stainless steel that feature a newly developed coating system allows the CFA-2 HTH to be used in ocean front and marine environments as well as inland direct weather environments. The CFA-2 HTH is a nominal 55 degree horizontal by 30 degree array that features a fully rotatable high frequency horn/waveguide. This allows the CFA-2 HTH to be used in either a vertical or horizontal orientation and still allows the desired coverage patterns. The high frequency configuration consists of two large format close-spaced compression drivers coupled to a 2" (50.8mm) constant directivity horn. The low frequency configuration consists of 4 bandwidth optimized 10" (254mm) diameter woofers in a 2 x 2 array. The CFA-2 HTH is ideal for both outdoor/direct weather long throw applications and indoor applications in high ambient noise environments. Typical applications are football and soccer fields, baseball fields and large theme park environments. Indoor environments such as basketball arenas are well suited due to the ultra-high system intelligibility.

In order to achieve maximum system performance the CFA-2 HTH should be high pass filtered using a 4th order (24dB/octave) high pass filter set to 80Hz. This filter frequency can be set using any high quality DSP based loudspeaker processor. High pass filter frequencies as low as 60Hz may be used but maximum system dynamics and headroom are achieved by using the recommended 80Hz filter corner frequency.

FEATURES & BENEFITS

- » Very High Intelligibility
- » 316-grade stainless steel rigging
- » Long Throw/High Acoustic Output
- » Fully Rotatable High Frequency Waveguide
- » IP 56 Direct Weather Rated
- » Double Large Format High Frequency Drivers
- » 4 x 10" (254mm) Low Frequency Long Throw Array (2x2 array configuration)
- » Multiple Fly Points and Rigging Accessories

SPECIFICATIONS

Frequency Response: 60Hz – 16kHz

Coverage Pattern: 55° x 30° Fully Rotatable

Passive Crossover Frequency: 1500 Hz

Inputs: 4-Position Barrier Strip

Input Impedance: 4 ohms

System Sensitivity (1 Watt / 1 Meter): 104dB

Maximum Calculated Output: 134.8dB @ 1 meter* Continuous

140.8dB@1 meter

(Peak Power/Peak Pressure)

*(Based on RMS sound pressure levels. +3dB may be added for peak sound pressure levels)

Power Handling: 1200 watts continuous, 2400 watts program, 4800 watts peak*

NOTE: All system power handling rating are amplifier headroom dependent

Nominal Impedance: 4-ohms

System Components

Low Frequency: 4 each 10 in (254 mm)

High Frequency: 2 each Large Format Titanium

Compression Drivers

EASE 4.0 Data: www.ONESYSTEMS.com

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The CFA-2 HTH is a direct weather design that features a three layer stainless steel grill assembly. The enclosure design is a laminated fiberglass construction with high safety factory structural rigging points molded in the enclosure shell.

The system is also compatible with the One Systems Pole Mount System PM4-M if vertical tilt requirements are specified in a pole mount application. The One Systems PT-76M is also compatible with the CFA-2 HTH when pan and tilt are both required. The PT-76M is suitable for flat surface mounting only. If pole mounting is required the PM4-M must be used.

The system ingress protection is IP56.

SPECIFICATIONS (continued)

Suspension/Mounting Points:	9 each M10
Weather Performance:	IEC 529 IP 56 Mil Spec 810
Dimensions (H x W x D) mm:	876.5 x 572.6 x 446.3*
Dimensions (H x W x D) in:	34.5 x 22.5 x 17.6
Net Weight:	60.6 kg / 133.6 lbs
Optional Accessories:	Pole Mount System PM4/M; PT76/M (new 2012); M10 Forged Shoulder; Stainless Steel "U" Bracket and strap kit

