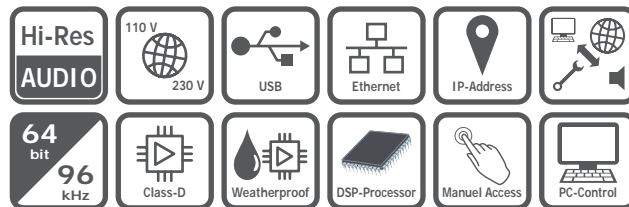


self powered:



The Ikarray-12/12sp is an innovative 2-way bi-amping, full range line-array. This lightweight, compact unit with many intelligent detail solutions is suited for everything from small events up to large venues with many thousand listeners.

Much emphasis has been placed on constant directivity and linear frequency response even outside the mid-axis. This has been achieved on the horizontal level with one 12-inch, single mounted to give a wide dispersion without restrictions such as those caused when two transducers are placed next to each other (d'apolito effect).

The vertically optimal coupling of the elements with each other is achieved by a narrow construction distance and splitting the acoustic centers into several virtual sound sources: A special double-twin waveformer is coupled to the 1.4" tweeter, which segments the sound into 4 subranges. The double-twin waveformer makes it possible to reduce the distances between the sound sources to a minimum and to optimize the crossover frequencies and coupling. In contrast to many other arrays of this size, the Ikarray-12 has a warm and rich fundamental with powerful low-mids and enables deep separation. For many applications it can therefore be used fullrange without additional bass.

In comparison to many other arrays of this size, the Ikarray-12 has a warm sound with powerful low-mids that allow a low x-over. As a result, the Ikarray-12 can be used for many purposes without subwoofers.

With completed dimensions of only 60.5 cm, the Ikarray-12 keeps within the advantageously trucking dimensions and is world-wide the narrowest in the 12"/1.4" class. Used in the ground-stack position on the Paveosub-218 it exhibits an elegant silhouette and giving an optical unity.

The splaying between the individual Ikarray units is achieved by an innovative infinitely adjustable spindle mechanism. This enables more precise adjustment and optimization of acoustics than has been possible up to now with traditional locking-pin rigging systems. As an additional feature the fine adjustment of the mechanism can also be done under load.

For changing an angle between the elements the complicated unloading and de-rigging of the array become unnecessary. This saves a lot of time and makes work easier. Outriggers with adjustable feet can be mounted on the rigging frame for ground stacking without subs. To create a sleek and discreet look, the line-array locking pin connection has been sunken into the loudspeaker body without extending parts.

For smaller venues with only one or two flying arrays, neither the larger rigging frame nor any other specialty parts are needed. For this purpose, the Ikarray-12 is equipped with the specially designed VA-flying tracks that click into the elegant Easy-fly mechanism – also used in the modular series.

One self-powered Ikarray-12sp can power up to three additional bi-amping units.



Frequency range	49 Hz - 18.5 kHz (- 10 dB) 62 Hz - 17 kHz (+/- 3 dB)
Coverage range	100° horizontal, 6° vertical
Powerhandling 16 Ω	LF: 400 W AES / 800 W program / 1.600 W peak HF: 110 W AES / 220 W program / 440 W peak
Sound pressure	130 dB SPL AES / 133 dB SPL program / 136 dB SPL peak
Components	LF: 1 x 12" Neodym woofer with 3" voice coil HF: 1 x 1,4" Neodym driver with 3" voice coil
Connectors	2 x Neutrik NL4 Speakon IN/OUT, bi-amping 1+/- HF, 2+/- LF 2 x Neutrik XLR IN/OUT (self-powered) 1 x Neutrik NL4 Speakon OUT, 1+/- HF, 2+/- LF (self-powered) 2 x Neutrik powerCON TRUE1 IN/OUT (self-powered) 1 x USB & Ethernet (self-powered)
Mounting	Array / Ground Stacking: Rigging frame Up to two elements among each other can flown with the Easy-fly mechanism
Dimensions/Weight	325 (h) x 605 (w) x 520 mm (d) / 27,9 kg (self-powered: 31,9 kg)
Amplifier	2-channel 3,2 kW
Power output CH1 LF	2.400 W/4 Ω, 1.580 W/8 Ω, 800 W/16 Ω
Power output CH2 HF	800 W/4 Ω, 450 W/8 Ω, 200 W/16 Ω