

MONITOR Series

Self powered 2 way compact DSP controlled nearfield monitor
loudspeaker system, PC remote controlled with Networking

Audio Performance Monitor SIGNATURE KS-3.0

The Audio Performance SIGNATURE KS-3.0 is a very compact bi-amplified active nearfield monitor system with performances comparable to much larger systems.

The SIGNATURE KS-3.0 is a high precision device with excellent efficiency and low distortion providing a very precise stereo imaging.

SIGNATURE KS-3.0 contains a two 6.5" neodymium long excursion and low distortion bass cone driver (LF) and a 1" fabric dome tweeter (HF) loaded by an advanced waveguide.

The KS-3.0 built-in electronics package features a new lightweight, two channel class D audio power amplifier designed specifically for Self-Powered products.

The amplifier module is a sophisticated switch mode power supply, class-D amplifier design capable of delivering more than 650W RMS (500W@4 ohm Low, 150W@8 ohm Hi) and adding only 2kg to the weight of the cabinet.

It incorporates a complete networked 96KHz digital signal processing (DSP) providing loudspeaker specific filtering, EQ, delays and protection functions.

Sophisticated amplifier protection systems continuously monitor all aspects of performance to ensure that the amplifier and associated drivers are always working within their safe operating areas.

With an extraordinary average efficiency of 90%, the system is practically service free.

NetControl PC application provides real time control and monitoring functions to either single units or whole networks of Audio-Performance self-powered loudspeakers through Ethernet CAT5 cable. In addition, the SIGNATURE KS-3.0 provides input volume control and 8 factory presets including high pass, low and high shelving filters.

DESIGNED FOR

Nearfield Monitoring

A/V Post production

Mastering control

Sound effects

Multimedia

Mobile vans



Special Features

High efficiency

Low distortion

Precise stereo imaging

FIR Filtering

Ethernet Networking
PC remote controlled

MONITOR Series

Nearfield monitor SINGNATURE KS-3.0 specifications

ACOUSTICAL

Frequency response (1) 40-21'000 Hz +3dB
 Phase response 350Hz -18KHz +-10°
 Maximum peak SPL (2) 123dB
 Power amplifiers..... LO: 500W-HI:150W
 Crossover frequency(3) 2'500Hz, 24dB per octave

TRANSDUCERS

LO section..... 2x 6.5 inch, Neodymium long excursion, low distortion cone driver
 Hi section..... 1 inch dome tweeter, fabric diaphragm loaded with waveguide

AMPLIFIERS

Output power (low) (5)..... 500W RMS
 Output power (high) (5)..... 150W RMS
 THD, DIM, SMPTE..... <0,05%

AUDIO INPUTS

Type..... 1x XLR F for analog/AES input signals
 Connectors..... 1x XLR M for linking the analog input (Thru)
 Nominal impedance..... 10K ohm
 XLR wiring..... 1: GND, 2: positive, 3: negative

DSP

Sampling rate 96KHz
 Basic delay 0.76 ms
 Dynamic range 115 dB

NETWORK

Type Ethernet
 Connectors..... 2x RJ45 interface for Networking and daisy chaining
 1x Status LED
 4x Presets LEDs
 1x Encoder with push fonction

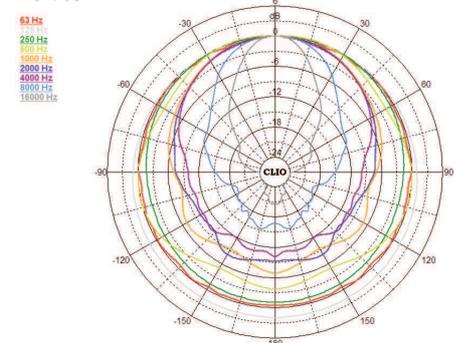
AC power

Connector..... PowerCON TRUE1, in
 Input voltage (EU)..... 115V - 230V nominal +/- 10%
 Input voltage selection Automatic

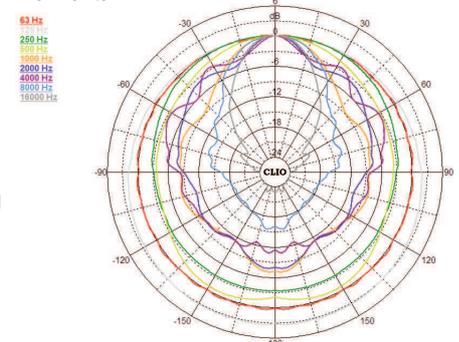
MECHANICAL

Enclosure: 20 Liters Vented, 15mm plywood
 Finish White epoxy painted
 Dimensions (W x H x D) 207 x 500 x 340mm, 5° tapered
 Weight 15Kg

Vertical



Horizontal



(1) Frequency response: +/- 3dB, measured at 3 meters, on axis, half-space conditions - MLSSA 1/3 octave
 (2) Max peak SPL: Measured with music referred to 1 meter
 (3) Crossover: Acoustical crossover frequency - at these frequency, transducers produce equal sound pressure level
 (4) AES: Power handling is measured under AES standard conditions