

FEATURES... *HP Distributor-3D*

- **Analog + AES/EBU +SPDIF inputs**
- **Adjustable input range ± 20 dB**
- **24 bit capability**
- **Ultra Low Noise DAC.**
- **Interactive controls**
- **Excellent Frequency Response.**
- **Extremely Low Distortion.**
- **High isolation (transformers)**
- **Short Circuit Protected.**
- **Stabilized Power Supply.**

HP Distributor-3D



DIGI-SYS HP Distributor-3D is a sleek 1U rack-mount unit, which accepts AES/EBU, SPDIF & Stereo Analogue inputs in Balanced and Unbalanced form. Input selection is through latching switches on the front. It produces high quality analog output through professional TRS jack, which can drive all types of stereo headphones with its individual volume controls. Output stages are discrete and can withstand prolonged short circuits and are capable of driving low impedance headphones.

DIGI-SYS HP Distributor-3D accepts balanced AES/EBU signal and unbalanced SPDIF signals in, the Sample Rate Frequency range, from 16 KHz to 192 KHz in addition to stereo analog input. This Superior performance of the unit challenges many pro units on the market with excellent signal to noise ratio and ultra low distortion. Stereo analogue inputs have fine ± 20 dB pre-set analog level controls at the back panel, where as digital signals have ± 20 dB digital range control. The large dynamic range is optimized by microcontroller with full scale resolution as per user requirements.

DIGI-SYS HP Distributor-3D has excellent overall frequency response and very low distortion, which has been achieved by selectively mixing integrated circuits and discrete devices. Extremely low internal noise levels achieved, and use of very high quality digital transformers on all digital inputs, also allows perfect recovery from weak digital signals in the range of 100 mV.

The unit is housed in a standard 19" rack mount chassis with power connections as per **IEC** recommendation.

Technical Specification

Digital Input

Digital input	1x AES/EBU XLR F 3 pin, 1x S/PDIF BNC
Digital input sample rate	16 KHz to 216 KHz auto detect and displayed
Input lock range	±2% of standard sample rates.
Digital input signal resolution	16-24 bit
Digital input amplitude	200 mV min. (90 mV typical), 5 V PP max.
Digital input Impedance	110Ω balanced, 75Ω unbalanced

Analog Input

Analog input	2x XLR F (balanced),
Input level	0dBu nom. +20dBu max.
Input impedance	>10kΩ balanced
Gain range	±20 dB analog, ±20 dB digital

Analog Output

Analogue output	8 x Head Phone Jack.
Max output level	24dBu active balanced
Head phone Impedance	32 Ω or higher
Frequency Response	±0.25dB (20Hz to 20KHz)
Signal to noise ratio	105 dB (Ref. 0 dBFS)
Channel matching	±0.25dB (20Hz to 20KHz)
Dynamic range	>110dB

Mechanical

Power	230 V □10%, 50 Hz, 20VAMax 110 /230 V □10%, 50/60Hz 20VA Max (optional)
Size - HxWxD	44.5mm x 483mm x 203mm(1.75"X19"X8") Standard 19" rack mounts.

Note: - Specifications changes if any will be notified at the time of order acceptance.