

DIGITAL SYSTEM SOLUTION

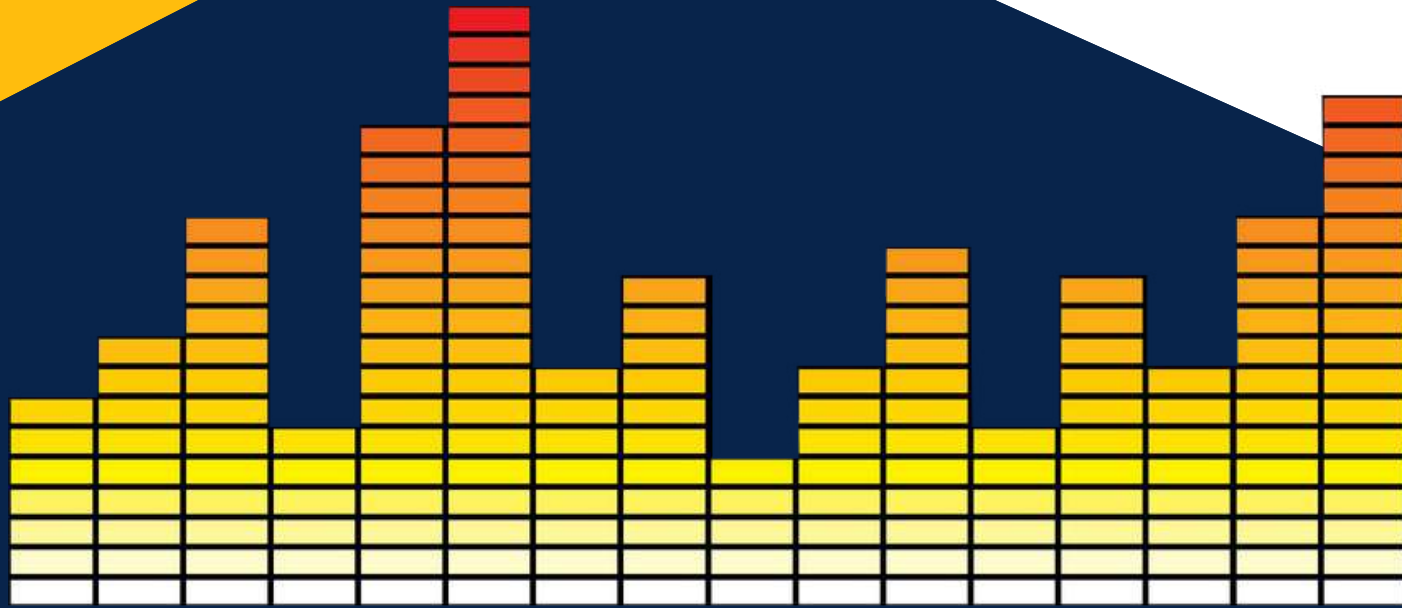
16192 Coastal Hwy, Lewes, DE 19958, USA,

+1 302-604-7089 | sales@digisysltd.com

www.digisysltd.com

**DIGI-SYS**

An ISO 9001:2015 Company



## A-D/D-A AUDIO CONVERTER

# AUDIO CONVERTER DAAD-1

## A-D and D-A CONVERTER

DIGI-SYS DAAD-1 is 24 bit AD converter in 1U rack-mount chassis, which produces an AES/EBU or S/PDIF digital audio output from a balanced XLR or unbalanced BNC input. The analogue inputs have left and right front panel fine analog level controls using conductive plastic potentiometer and additional digital control from -20dBu to +20dBu through interactive controls.

- HIGH QUALITY DESIGN
- GREAT PERFORMANCE
- COST EFFECTIVE
- LONG LIFE
- GOOD EFFICENCY

# AUDIO CONVERTER DAAD-1

## Salient Features

- **Adjustable Analog Gain  $\pm 10$  dB**
- **Digital Gain control  $\pm 20$  dB**
- **24 bit Capability**
- **Selectable Sample Rate up to 96K**
- **Ultra Low Noise & Distortion**
- **Excellent Frequency**
- **Digital signal protocol analysis**
- **High signal isolation (transformers)**
- **LCD display with Interactive controls**

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DIGI-SYS DAAD-1 has excellent overall frequency response and very low distortion, which has been achieved by selectively mixing integrated circuits and discrete devices. The unit is capable of generating crystal accurate sample rates from 44.1, 48, 88.2 and 96 KHz. Unique user interface through a graphical LCD and navigation controls provide unlimited configurations and fine level controls. The LCD display serves dual purpose of assisting configurations and then showing Bar graph of the signal in real time. Bar graph display is calibrated in dB with fast peak reading response. The unit is housed in a 19" rack mount chassis with power connections as per IEC recommendation.

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## Technical Specification

### Analogue to Digital converter

- Analog input 2x XLR F (balanced), 2x BNC (unbalanced)
- Level reference +4dBu (-9dBFS) nominal
- Input level 0dBu nom. +20dBu max
- Input impedance >10k $\Omega$  balanced
- Dynamic range >100dB
- Gain range  $\pm 10$  dB analog,  $\pm 20$  dB digital
- Digital output 1x AES/EBU XLR M, 1x SPDIF BNC
- Output Impedance 110W Bal transformer isolated, 75W Unbal active
- Sampling Frequency 44.1KHz, 48KHz, 88.2KHz and 96KHz
- Sampling Resolution 16 or 24 Bits
- Frequency Response  $\pm 0.25$ dB (20Hz to 20KHz)
- Signal to Noise Ratio 90 dB
- T.H.D. <0.005

### Physical Dimesnsions

- Power 230 V  $\pm 10\%$ , 50 Hz, 20VAMax 110 /230 V  $\pm 10\%$ , 50/60Hz 20VA Max
- Size – HxWxD 44.5mm x 483mm x 203mm(1.75"X19"X8")

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## Why Choose DIGI-SYS

DIGI-SYS Your innovative idea's need products which can meet new challenges and compliment your efforts. Our in house innovative end to end computer aided design and manufacturing process is the best solution to meet critical timelines. Our artificial intelligence integrated in every product design, provides unmatched flexibility in field to configure our products to critical demanding needs and yet are very simple to operate. But technology and human innovation know no scarcity.

Our marketing and sales is bonded to customer support. Our technical experts assist you in system design as part of our product offering, which is optimised to your needs. In other words our support starts even before you buy a product from us. Our goal is to provide you best solution for your needs rather than sell you what we have in stock. Prospects who show interest in our products and services invariably get rewarded with best solution at most cost effective price.

## Our Products Line

- Pro Audio Monitor
- Analog to Digital & Digital to analog Audio Converter
- Audio Router
- Remote Site Controller
- Audio Distributor/Switcher
- ON-AIR Light
- Audio Console Mixer
- FM Power Divider/Combiner
- Convection Dummy load (DC to 300 Mhz)

For further information, Please contact us at:

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