

AUDX-1000x

SD Audio De-Embedder



Features

- High performance & low cost
- Supports SDI Rates
- Balanced Analogue Audio or Balanced 48KHz AES outputs
- Supports up to 24-Bit audio
- LED indicators
- Built in Video and Audio test pattern generator
- Contact closure alarm
- Compact & rugged design 142mm(L) x 82mm(W) x 47mm(H)

Description

AUDX-2000 is a high performance audio de-embedder used to extract audio from serial SD video streams. The module uses a state-of-the-art FPGA and deserializer / serializer to decompose, extract audio data and re-compose the serial video stream. A built-in audio & video test pattern generator is provided to assist in integration and alignment.

Specifications

Electrical Inputs - Video

Number of Inputs	1
Data Rate	270 Mbps
Return Loss	>15dB (5MHz – 1.5GHz)
Cable Eq.☒	0 to 250m Belden 8281A
Impedance	75 ohm
Connectors	75 ohm BNC female

Electrical Outputs - Video

Number of Outputs	1
Data Rate	270 Mbps
Return Loss	>15dB (5MHz – 1.5GHz)
Cable Eq.☒	0 to 250m Belden 8281A
Impedance	75 ohm
Connectors	75 ohm BNC female

Electrical Outputs - Audio

Number of Inputs	2
Format	AES-3
Data Rate	48KHz
Impedance	100 ohm balanced
Connectors	Unbalanced 75 ohm BNC
Optional	Mini-XLR (male)

Alarm & Control Interface

- HD/SD Loss & Presence LED indicator
- SD or HD indicator
- Audio Loss & Presence LED indicator
- Solid state alarm relay contacts

Supported Standards

SMPTE - 259M (270Mbit/s), AES-3

Ordering Information

AUDX-1000A	24-bit Balanced Analogue Audio (0dBFS = 24dBu)
AUDX-1000D	100ohm Balanced AES audio

Accessories (extra)

- High performance, 110-240V universal input, 12V @1.5A output
- Power lead, SAA approved, 2M, IEC320-C14 connector

Compatibility

- Compatible with all SBC products supporting digital video interfaces
- Compatible with third party compliant digital video interfaces

