

# AUDI-1000x

## SD Audio Embedder



### Features

- High performance & low cost
- Supports HD/SDI Rates
- Resamples Audio to achieve 48KHz synchronous embedding.
- Balanced Analogue Audio or Balanced 48KHz AES inputs
- 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

AUDI-2000 is a high performance audio dembedder used to insert audio into serial SD video streams. The module uses a state-of-the-art FPGA and deserializer / serializer to decompose, insert 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 Inputs - Audio

Number of Inputs	2
Format	AES-3
Data Rate	15KHz to 50KHz resampled to 48KHz
Impedance	100 ohm balanced
Connectors	Unbalanced 75 ohm BNC

#### Electrical Outputs - Video

Number of Outputs	1
Data Rate	270 1483 & 1485 Mbps
Return Loss	>15dB (5MHz – 1.5GHz)
Cable Eq.☑	0 to 250m Belden 8281A
Impedance	75 ohm
Connectors	75 ohm BNC female

#### 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 - 292M (1483, 1485Mbit/s), AES-3

#### Ordering Information

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

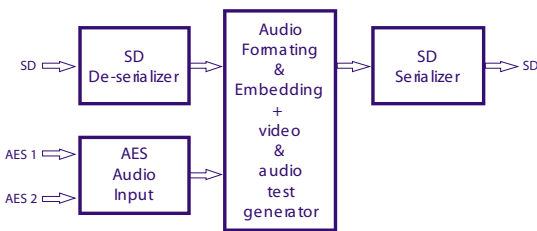
#### Accessories (extra)

- 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

### AUDI-1000D



### AUDI-1000A

