

**Features**

- High performance & cost effective
- Re-samples 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 de-embedder used to insert audio into serial HD video streams. The module uses a state-of-the-art FPGA and de-serialiser / serialiser 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	1485 Mbps
Return Loss	>15dB (5MHz – 1.5GHz)
Cable Eq.	0 to 120m Belden 1694A
Impedance	75 ohm
Connectors	BNC female

**Electrical Inputs – Audio Balanced (AUDI-2000A)**

Number of Inputs	4
Format	Analogue Audio (+24dBu = 0dBfs)
Data Rate	24-bit samples @ 48KHz (synchronous to video)
Impedance	Hi-Z balanced
Connectors	3 pin phoenix

**Electrical Inputs – Audio Unbalanced (AUDI-2000D)**

Number of Inputs	2
Format	AES-3
Data Rate	15KHz to 50KHz re-sampled to 48KHz
Impedance	75 ohm
Connectors	BNC

**Electrical Outputs - Video**

Number of Outputs	2
Data Rate	270 1483 & 1485 Mbps
Return Loss	>15dB (5MHz – 1.5GHz)
Impedance	75 ohm
Connectors	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

**Accessories (extra)**

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

**Compliances**

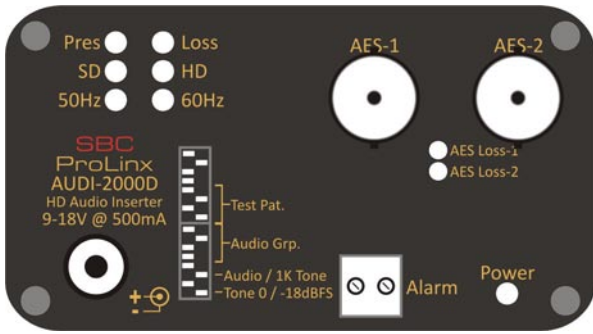
- CE; UL; C-Tick
- RoHS Compliant Directive 2002/95/EC

**Compatibility**

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

**Ordering Information**

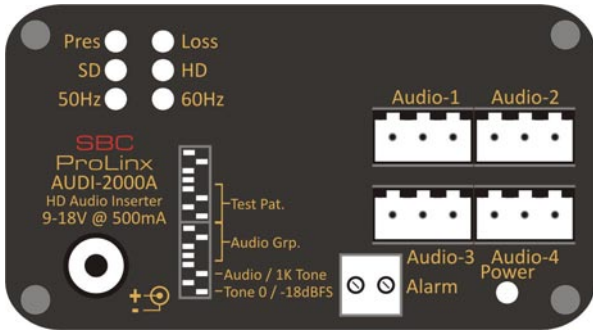
- AUDI-2000A 24-bit Balanced Analogue Audio
- AUDI-2000D 100ohm Balanced AES audio
- PSLV-1200 240V AC/12V DC power supply



Front panel with power connector



Rear panel



Front panel with power connector



Rear panel