

**Features**

- High performance & cost effective
- Supports HD/SDI Rates
- Balanced Analogue Audio or Unbalanced 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 HD & SD video streams. The module uses a state-of-the-art FPGA and deserializer / serialiser 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	1483 & 1485 Mbps
Return Loss	>15dB (5MHz – 1.5GHz)
Cable Eq.	0 to 120m Belden 1694A (HD) 0 to 250m Belden 8281A (SD)
Impedance	75 ohm
Connectors	BNC female

**Electrical Outputs – Video** (non-reclocked looping inputs)

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

**Electrical Outputs – Audio AES** (AUDX-2000D)

Number of Outputs	2
Format	AES-3
Data Rate	48KHz
Impedance	75 ohm unbalanced
Connectors	BNC Female

**Analog Audio Outputs** (AUDX-2000A)

Number of Outputs	4 (two stereo pairs)
Resolution	24-bit @ 48KHz
Frequency Response	20Hz- 20KHz +/- 0.1dB
THD+D	> -100dB
Dynamic range	>110dB
Impedance	low (40 ohm typical)
Connectors	Three pin Phoenix

**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, SMPTE-259M , AES-3

**Accessories (extra)**

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

**Compatibility**

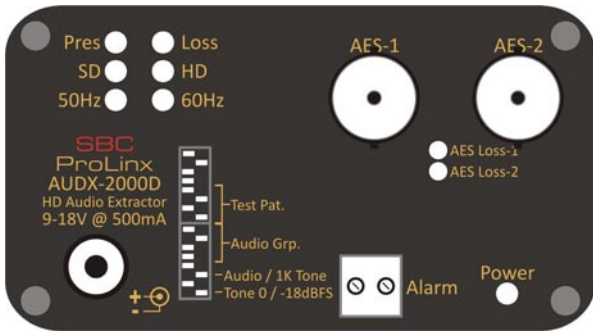
- Compatible with all SBC products supporting digital video interfaces
- Compatible with third party compliant digital video interfaces

**Compliances**

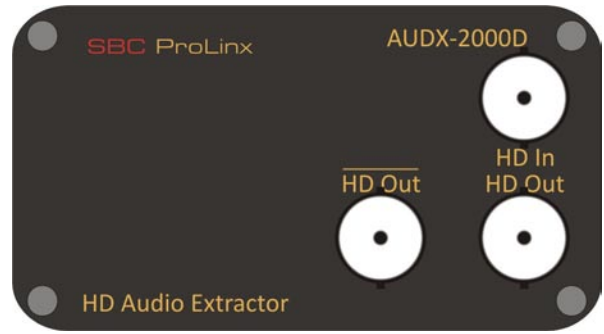
- CE; UL; C-Tick
- RoHS Compliant Directive 2002/95/EC

**Ordering Information**

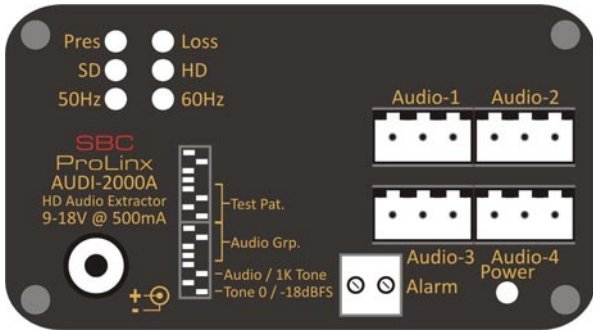
- AUDX-2000A 24-bit Balanced Analogue Audio
- AUDX-2000D 75ohm Unbalanced AES audio
- PSLV-1200, 240V AC/12V DC power supply



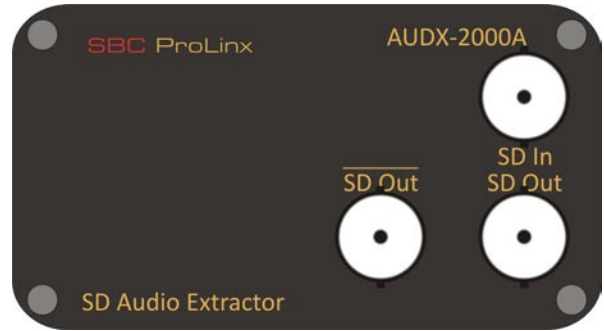
Front panel with power connector



Rear panel



Front panel with power connector



Rear panel