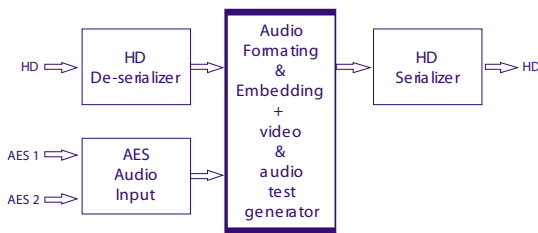


AUDI-2000x

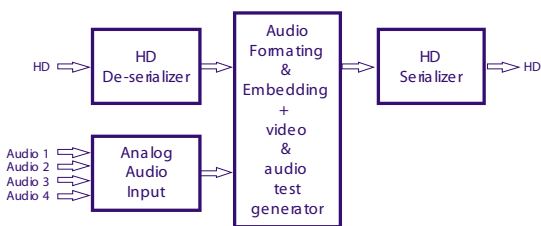
HD Audio Embedder



AUDI-2000D



AUDI-2000A



Features

- High performance & low cost
- Supports HD/SD Rates
- 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-mbedder used to insert audio into serial SD or HD 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	1483 & 1485 Mbps
Return Loss	>15dB (5MHz – 1.5GHz)
Cable Eq.☒	0 to 100m Belden 1694A
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	1483 & 1485 Mbps
Return Loss	>15dB (5MHz – 1.5GHz)
Cable Eq.☒	0 to 100m Belden 1694A
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-2000A	24-bit Balanced Analogue Audio (0dBFS = 24dBu)
AUDI-2000D	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