

4462DB SDI balanced AES-EBU audio de-embedder



Description

The 4462DB SDI balanced AES-EBU audio de-embedder extracts two digital stereo audio streams from any group in the ancillary data space of a 270Mb SDI stream.

De-embedding conforms to SMPTE 272M and allows audio to be extracted from any of the four groups. There is automatic cable equalisation and a re-clocked SDI output is provided.

The unit is housed in an extremely compact and rugged aluminium case and is suitable for both field and studio applications.

Features

- Extracts two balanced AES-EBU streams from any group
- Automatic detection of 525/625 SDI
- 20 or 24 bit de-embedding
- LEDs show group status and input signal presence
- Automatic input cable equalisation to over 350m
- Re-clocked SDI output
- Extremely compact and rugged

Control switches

- Audio group select

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Specifications

SDI input

Standards	SMPTE 259M 270Mb/s 525/625 SDI
Connector	75Ω BNC
Signal level	800mV p-p ±10% (terminated)
Return loss	>15dB to 270MHz
Cable equalisation	> 350m automatic (Belden 8281)

SDI output

Standards	SMPTE 259M 270Mb/s 525/625 SDI
Connector	75Ω BNC
Signal level	800mV p-p ±10% (terminated)
DC offset	±100mV
Return loss	>18dB to 270MHz

Audio de-embedding

Standards	SMPTE 272M
Resolution	20 or 24 bits

AES-EBU outputs

Standard	Balanced AES-EBU AES3-2003
Number	2
Type	Transformer coupled
Termination	Balanced 110Ω
Output level	3.5V p-p ±5%
Sample rate	48kHz (synchronised to video)
Connector	Removable screw terminals

Power

Voltage	6-12V DC
Current	520mA at 6V
Power connector	Locking 2.5mm jack connector (centre +ve)

Other

LEDs	Show power, signal presence & de-embedding status
Temperature range	0°C to 40°C
Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
Weight	175g

Ordering information

4462DB SDI balanced AES-EBU audio de-embedder
4010 1U rack mounting frame for up to 5 units including PSU

4006 Desktop power supply with IEC320 C14 inlet

We reserve the right to change technical specifications without prior notice. E&OE.

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