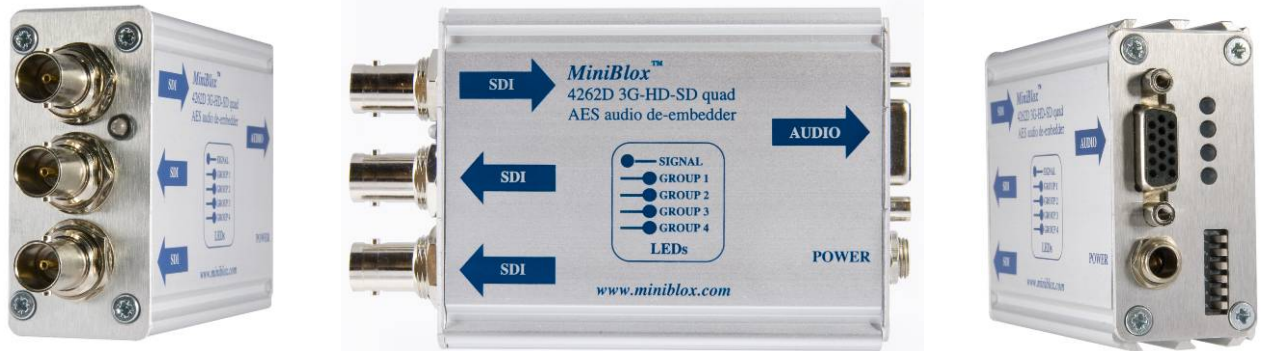


DTL MiniBlox™

4262D 3G-HD-SD quad AES audio de-embedder

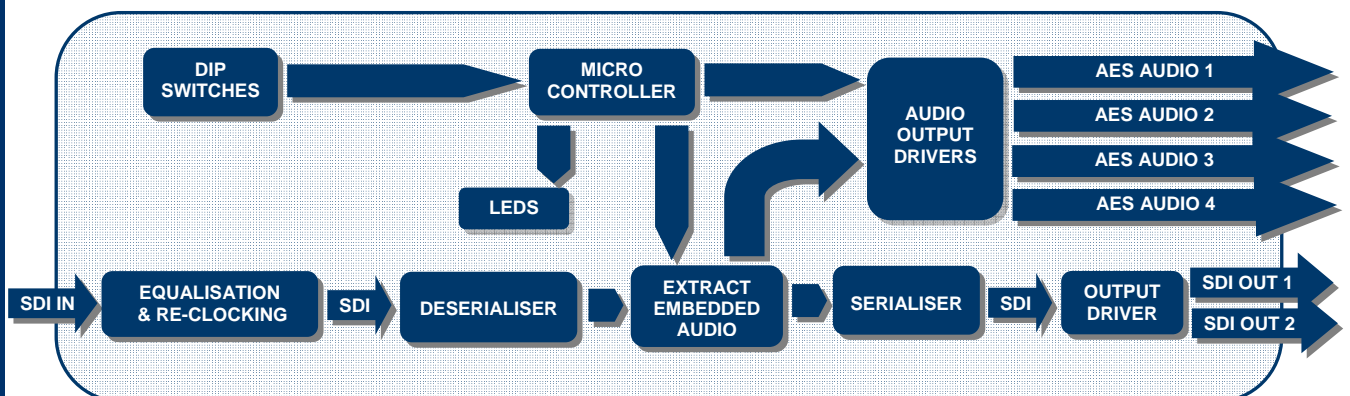


Description

The 4262D 3G-HD-SD quad AES audio de-embedder extracts four AES audio streams (8 audio channels) from the ancillary data space of an SDI signal and provides broadcast quality balanced AES audio outputs. Audio can be extracted from any two embedded audio groups. Two units can be cascaded to enable de-embedding from all four available groups (16 audio channels).

The unit automatically detects whether the SDI input is 3G, HD or 270Mb/s SD SDI. There is automatic input cable equalisation and two re-clocked SDI outputs are provided.

The unit requires an external power supply or a rack mounting frame. A 1RU frame is available which takes up to 5 units and a 2U one that takes up to 14. XLR audio breakout cables and external power supplies are also available.



Key features

- Automatic 3G, HD, or SD SDI standard detection
- Extracts four balanced AES audio streams from any two groups
- LEDs show group status and input signal presence
- Automatic input cable equalisation
- 2 re-clocked SDI outputs
- Locking connector for power supply
- Compact and rugged design
- Optional XLR breakout cable (XLR to BNC adaptors available for unbalanced AES outputs)
- Optional external power supply
- Optional rack mounting frames with central power supplies

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Specifications

Video input

3G	SMPTE 424M & 425M-AB (2.97 & 2.967Gb/s) 1080p50/59.94/60
HD	SMPTE 292M (1.485 & 1.435Gb/s) 1080i 60/59.94/50 1080p/psf 30/29.97/25/24/23.98 720p 60/59.94/50/30/29.97/25/24/23.98
SD	SMPTE 259M-C (270Mb/s) 625i 50 525i 59.94
Number	1
Connector	75Ω BNC
Return loss	>15dB to 1.5GHz >10dB 1.5 to 2.97GHz
Cable equalisation	3G to 100m, HD to 160m, SD to 200m (Belden 1694A)

Video outputs

Standards	As input
Format	As input
Number	2
Connectors	75Ω BNCs
Jitter	<0.2ui peak-to-peak
Return loss	>15dB to 1.5GHz >10dB 1.5 to 2.97GHz

De-embedding

Standards	SMPTE 299M & 272M-C
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Audio outputs

Outputs	Balanced AES
Number	4
Connector	Female 15pin sub-D (optional XLR breakout cable)
Type	Transformer coupled
Sample rate	48kHz
Standard	AES3
Impedance	110Ω
Output level	3.5v p-p ±5%
Breakout cable (optional)	Balanced 4 male XLRs

Electrical

Voltage	6-12VDC
Power	<3W
Connector	Locking 2.5mm jack (centre +ve)
Safety	EN60950
Control	
Setup	6 way dipswitch
LEDs	Power, input presence & group status
Other	
Size (mm)	63.5 x 84 x 30 plus connectors
Weight	200g
Temperature	5°C to 40°C
Humidity	80% max (non condensing)

Options

5CA15SD-X00	Audio cable HDD15 to 4M XLRs
4006	Desktop power supply with IEC inlet
NADITBNC-M	Male XLR to BNC adaptor for unbalanced AES output
4010	1U rack mounting frame for up to 5 units including PSU
4020	2U rack mounting frame for up to 14 units & single or dual PSUs
4021	Power supply for 4020 2U frame