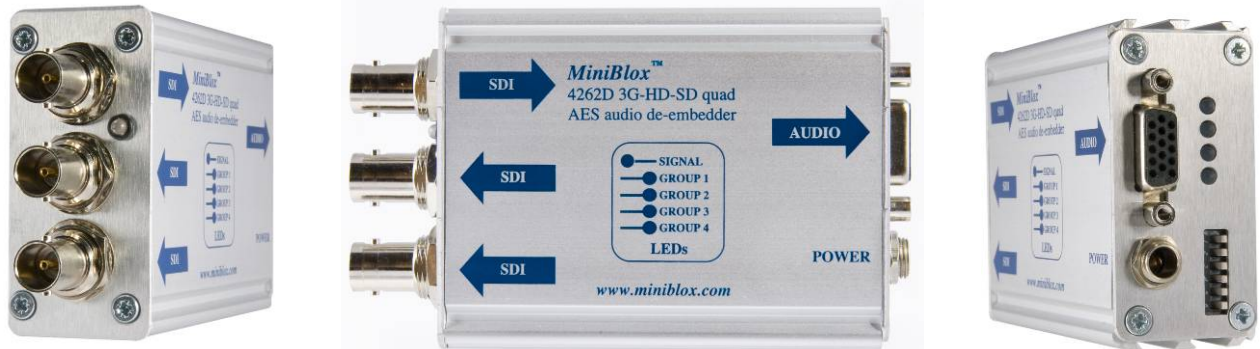


DTL MiniBlox™

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

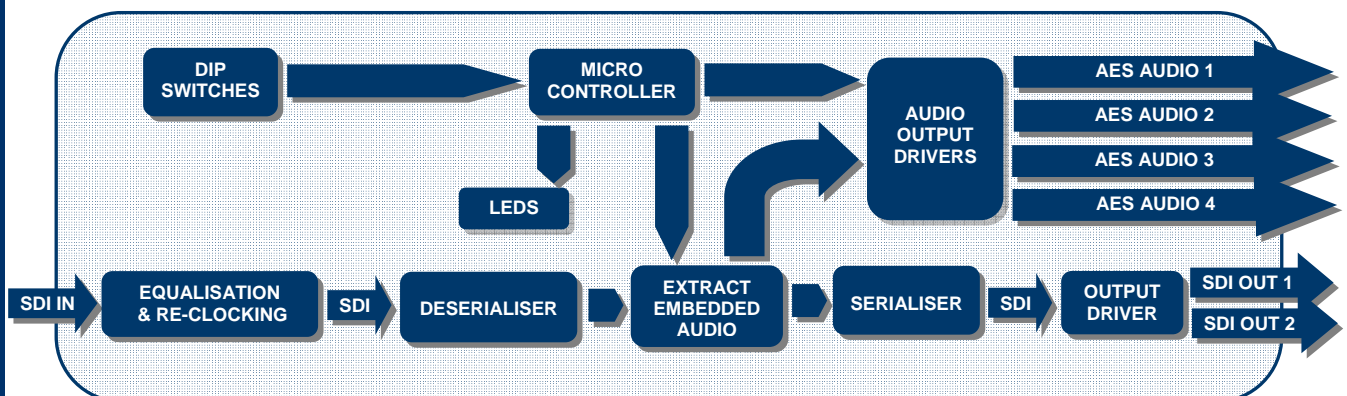


Description

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 |
|-----------|---------------------|

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 |