

Flashlink

AAV-HD-DMUX / AAV-SD-DMUX

HD/SD 4-channel analog audio plus 4ch AES de-embedder

The AAV-HD-DMUX is a highly integrated multi-rate audio de-embedding module in the Flashlink range, offering de-embedding of audio into AES or analog audio from a digital HD or SD serial video signal. The module is featured with optional optical receiver enabling easy integration into any optical video network.

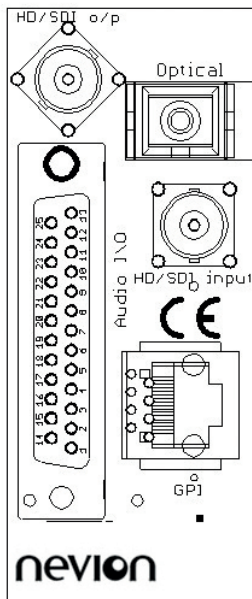
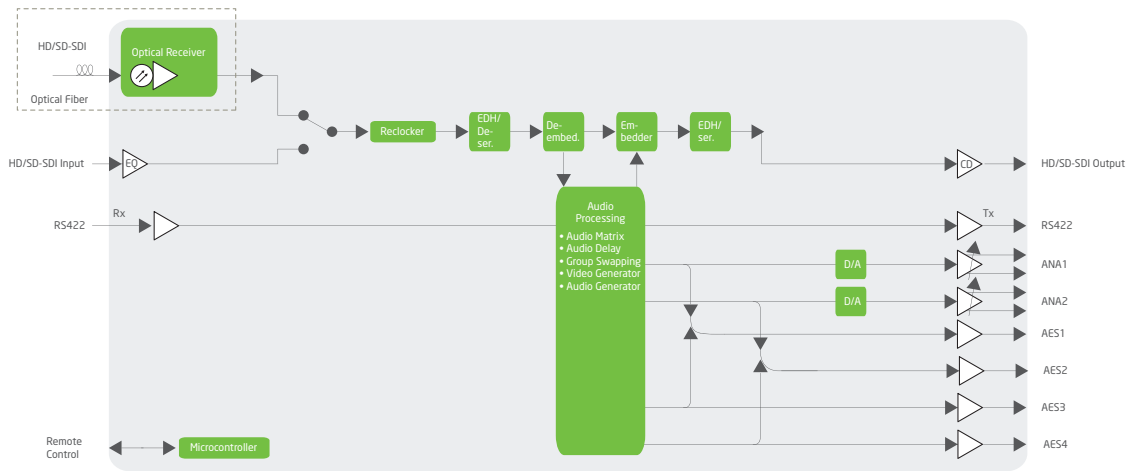
The AAV-HD-DMUX's small footprint, low power and Nevision panel control support are ideal for outside broadcast applications. The extensive manual control thru DIP switches enables the module to be efficiently used as a stand-alone unit enclosed in the small Flashlink N-BOX enclosure. The built-in de-glitcher makes the AAV-HD-DMUX the preferred choice for analog audio de-embedding applications since any switching is presented seamlessly at the AAV-HD-DMUX output.

Applications

- Studio infrastructure
- Studio interconnect
- OB production
- Audio embedding/de-embedding

Key features

- Handle SD and HD digital uncompressed video (AAV-SD-DMUX can handle SD digital uncompressed video)
- Copy or move audio groups without additional delay
- De-embed 2 AES3 digital audio and non-audio signals
- De-embed 4 analogue audio signals
- Apply extra audio delay
- Swap stereo channels
- Make mono or sum from stereo signals
- Optical input (option)
- Transport asynchronous serial data
- Generate video and audio signals
- De-glitch correctly synchronized switched video



General

Power	3.6W/5V, 0.6W/15V, 0.6W/-15V
User interface	Status LED, Status GPI, configuration DIP, switches Web interface and SNMP through Multicon controller
Operating temp.	0 – 40C

Supported standards

SMPTE-259M, SMPTE-292-2008, SMPTE-297, SMPTE 272M-AC, AES3-2003, SMPTE 346-2000, SMPTE-RP165

Optical input

No of inputs	1
Signal type	HD-SDI, SD-SDI
Sensitivity	< -24dBm
Detector overload	> -3dBm
Detector overload	> +1dBm
Optical range	1200nm – 1620nm
Connector	SC/UPC

Optical output

No of outputs 1	
Optical power	0dBm, CWDM -7.5dBm, 13T
Connector	SC/UPC
Optical system	18-channel CWDM according to ITU-T G694.2 13T with 1310nm center wavelength
Spectral width	+/-6nm, CWDM +/-20nm, 13T

Electrical SDI input

No of inputs	1
Signal type	HD-SDI, SD-SDI
Cable equalization	Automatic 100m @ HD-SDI w/ Belden 1694A 300m @ SD-SDI w/ Belden 8281
Connector	BNC, 75 Ohm

Electrical SDI output

No of outputs	1
Signal type	HD-SDI, SD-SDI
Signal polarity	Non-inverting
Level	800mV +/-10%
Connector	BNC, 75 Ohm

Digital audio output

No of outputs	4
Signal type	AES3
Connector	DB-25F, 110 Ohm

Analog audio input

No of inputs	2 stereo pairs
Connector	DB-25F
Impedance	53 Ohm
Max. signal level	+24dBu
Dynamic range typ.	105dB(A)
Frequency response	20Hz – 20kHz +/- 0.1dB
A/D conversion	24 bit

Ordering options

18079 AAV-HD-DMUX	HD-SDI audio de-embedder for analog and digital audio
17435 AAV-HD-DMUX-R	HD-SDI audio de-embedder for analog and digital audio with optical receiver
17237 AAV-SD-DMUX	SD-SDI audio de-embedder for analog and digital audio
17436 AAV-SD-DMUX-R	SD-SDI audio de-embedder for analog and digital audio with optical receiver



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