

Flashlink

AAV-HD-XMUX / AAV-SD-XMUX

HD/SD 4-channel analog audio plus 2-channel AES embedder / 2-channel AES de-embedder

The AAV-HD-XMUX is a multi-rate highly integrated audio embedding module in the Flashlink range, offering simultaneous embedding and de-embedding of audio from a digital HD or SD serial video signal.

The AAV-HD-XMUX'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-XMUX the preferred choice for analog audio embedding applications since any switching is presented seamlessly at the AAV-HD-MUX output.

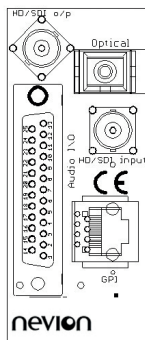
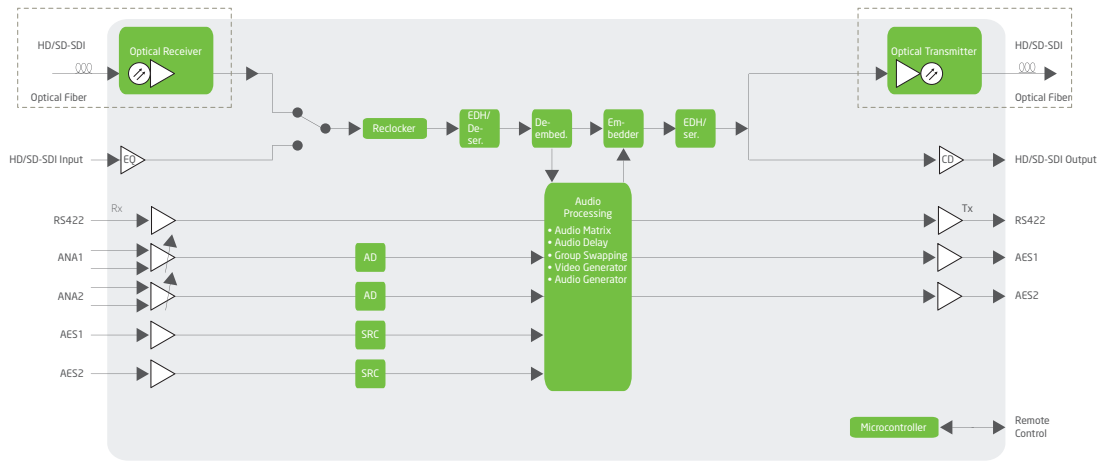
The AAV-HD-XMUX is a multi-rate highly integrated audio embedding module in the Flashlink range, offering simultaneous embedding and de-embedding of audio from a digital HD or SD serial video signal.

Applications

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

Key features

- Embed 4 analog audio signals
- Embed 2 AES3 digital audio or non-audio signals
- De-embed 2 AES3 digital audio or non-audio signals
- Deglitch correctly synchronized switched video



Rear connector

General

Power	3.5W/5V, 0.5W/15V, 0.5W/-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 input

No of inputs	2
Signal type	AES3
Connector	DB-25F, 110 Ohm

Digital audio output

No of outputs	2
Signal type	AES3
Connector	DB-25F, 110 Ohm

Analog audio input

No of inputs	2 stereo pairs
Connector	DB-25F
Impedance	24k Ohm
Dynamic range typ.	107dB(A)
Frequency response	20Hz – 20kHz +/- 0.1dB
A/D conversion	24 bit

Ordering options

18073 AAV-HD-XMUX	HD-SDI audio embedder for analog and digital audio
17429	HD-SDI audio embedder for analog and digital audio with optical 1310nm, -7.5dBm transmitter
AAV-HD-XMUX-13T-7.5dBm	
50069 AAV-HD-XMUXC1xxx	HD-SDI audio embedder for analog and digital audio with optical CWDM, 0dBm transmitter
17431 AAV-HD-XMUX-R	HD-SDI audio embedder for analog and digital audio with optical receiver
50105	HD-SDI audio embedder for analog and digital audio with optical receiver and CWDM, 0dBm transmitter
AAV-HD-XMUX-RC1xxx	
17236 AAV-SD-XMUX	HD-SDI audio embedder for analog and digital audio
18070	SD-SDI audio embedder for analog and digital audio with optical receiver and 1310nm, -7.5dBm transmitter
AAV-SD-XMUX-R-13T, -7.5dBm	



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