

FLASHLINK

3G-IP-MUX-8-SFP

Video over IP multiplexer

The Flashlink 3G-IP-MUX-8-SFP is an eight channel SMPTE 2022-6 compliant video over IP converter and multiplexer.

Its main application is to provide conversion between baseband and IP for 3G, HD and SD-SDI signals for in-studio usage. The product has 8x 3G,HD and SDI-SDI capable video ports, where 2 are inputs, 2 are outputs and 4 can be individually configured as inputs or outputs. This flexibility makes the product well suited for many applications. One of the output channels can also be setup as an SDI reference output timed from the PTP source. This setup removes the need for separate sync distribution to cameras, routers or switchers.

The product supports PTP, allowing downstream equipment to adjust the latency according to the timing information tagged in each stream. The outputs also use this timing information to compensate for network latency and lock the output phase to the PTP reference.

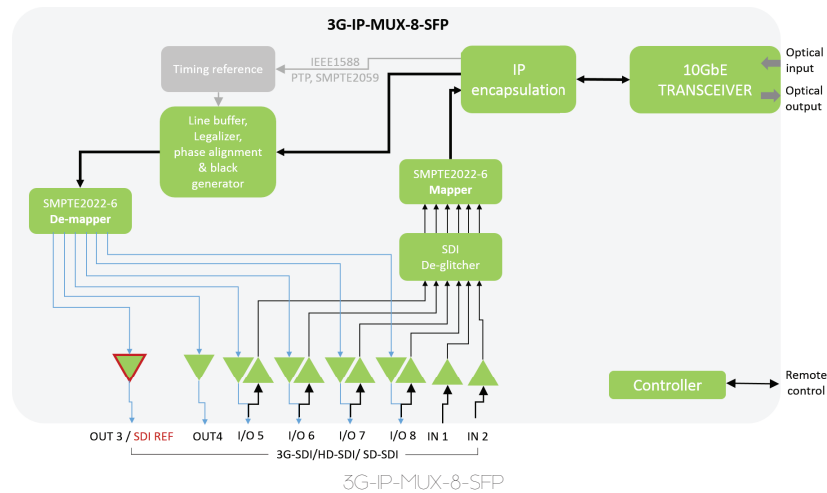
The product is built with a small output buffer that corrects switching errors of aligned streams in the network. However, full frame alignment of streams is expected done either at the ingest point, or as a central resource in the network.

Applications

- Studio connectivity
- Dark fiber transport

Key features

- 8x 3G-SDI/ HD-SDI/ SD-SDI ports
 - 2 input ports
 - 2 output ports
 - 4 direction configurable ports
- Low latency
- Fully bit transparent
- PTP clock reference
- PTP references Video output generator
- CWDM and DWDM support for long distance transport
- Hot-swap main board with optics without detaching fiber connections.

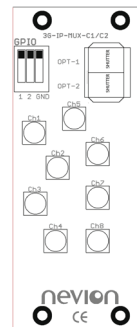


The module holds 8 video ports all capable of 3G-SDI, HD-SDI and SD-SDI connectivity. However, as the 10GbE interface is a limiting factor, up to 3x 3G-SDI or 6x HD-SDI can simultaneously be transported in any single direction. The card is therefore setup with 2 video ports fixed as inputs, 2 video ports fixed as outputs, the remaining 4 video ports can be individually direction configured as inputs or outputs.

The card features a 10GbE interface that is optical and SFP based. Nevision supports both DWDM and CWDM SFPs for long distance dark fiber transport. The optics are removable with the main board from the front of a chassis without detaching any fiber connections. This ensures quick card replacement in service situations.

The card's port direction and IP flow settings are configured through a web interface from the Multicon element manager. When used in IP based broadcast networks, VideoPath acts as routing controller providing connection management and orchestration of resources.

The product occupies two slots in the Flashlink frame and can be fitted in both the silent FR-2RU-10-2 frame and the high power, controlled airflow frame FR202.



3G-IP-MUX-8-SFP

General

Power	12.5W/5V
Size	2 slots in a Flashlink chassis
User interface	Status LED, Status GPI, configuration DIP switches Web interface and SNMP thru Multicon controller
Operating temperature	0 – 40C
Supported standards	SMPTE 259M, SMPTE 272M-AC, SMPTE 274M, SMPTE 291M, SMPTE 292, SMPTE 296M, SMPTE 299

Optical input

No of inputs	1
Signal type	10GbE
Connector	SC/UPC
Optical system	Nevion's optical 10G transceiver SFP+ range

Optical output

No of outputs	1
Signal type	10GbE
Connector	SC/UPC
Optical system	Nevion's optical 10G transceiver SFP+ range

Electrical SDI input

No of inputs	2 fixed inputs, 4 configurable I/O
Signal type	3G-SDI,HD-SDI, SD-SDI
Cable equalization	Automatic 70m @ w/ Belden 1694A
Connector	BNC, 75Ohm

Electrical SDI output

No of outputs	2 fixed outputs, 4 configurable I/O
Signal type	3G-SDI,HD-SDI, SD-SDI
Signal polarity	Non-inverting
Level	800mV +/-10%
Connector	BNC, 75Ohm

Ordering options

24130	Video over IP multiplexer
3G-IP-MUX-8-SFP	

The product is available with both single-mode and multi-mode pigtail to the LC backplane connectors. Also, the backplane is available with either DIN1.0/2.3 or HD-BNC connectors.

Mark order with:
Single-mode or Multi-mode
HD-BNC or DIN1.0/2.3

10GbE SFPs not included

Note: The product can also be provided with a dual slot backplane with regular BNC connectors. Contact factory for availability.

Flashlink



Flashlink provides an extensive change-over portfolio enabling full 1+1 redundancy connectivity towards mission critical components. And the Flashlink SP&D offerings provide useful and extensive functionality towards the baseband connectivity making Flashlink the go to solution for IP to baseband edge conversion.

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