

## Flashlink

HD-TD-10GX-8-SFP

# 8 channel bidirectional HD-SDI multiplexer

**The Flashlink HD-TD-10GX-8-SFP is an 8 channel bi-directional multi-format video multiplexer supporting HD-SDI, SD-SDI and DVB-ASI.**

The card features dynamic direction configuration of inputs and outputs, making the product adopt to changing requirements.

All video channels are transported transparently with fixed low latency ensuring plug and play. The product also supports that the video streams are asynchronous to each other, allowing multi-standard video transport over the same wavelength.

An output router allows selection of any signals on the incoming multiplex to be routed to any selected video outputs bringing flexibility to connectivity.

The converter utilizes SFPs that are optical pluggable devices supporting both CWDM and DWDM. This makes the product suitable for short and medium/ long haul applications. Optical standards compliance allows for easy inter-operability with third party fiber optical systems.

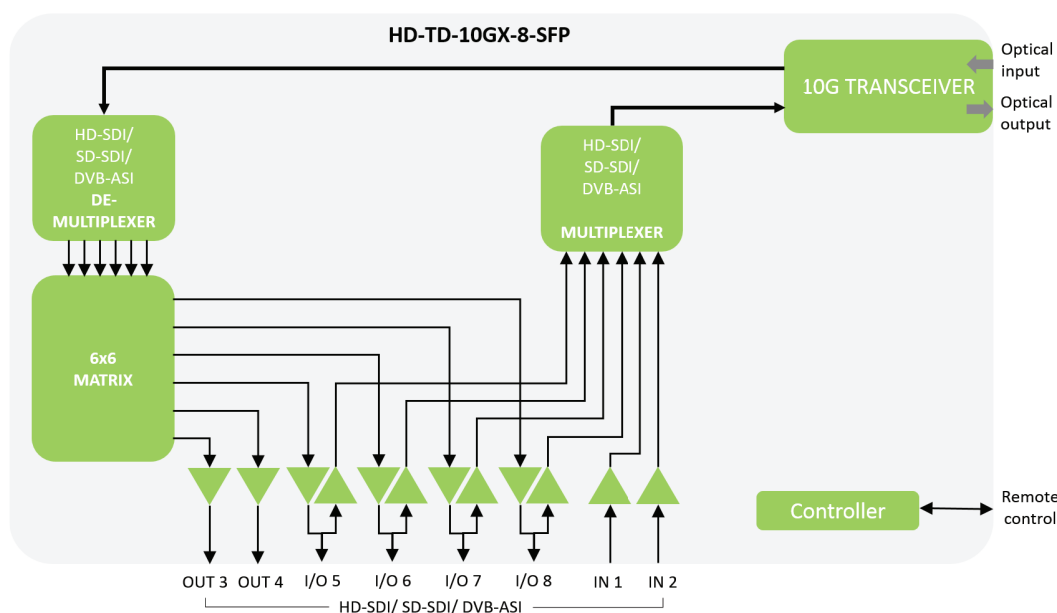
The product is easy to use with minimum setup needed and provides extensive monitoring capabilities with Web interface and SNMP support through the element manager Multicon Gyda.

### Applications

- Dark fiber networks
- Optical video transport
- Broadcast contribution networks

### Key features

- HD-SDI, SD-SDI and DVB-ASI support
- Transparent
- < 2 lines latency for HD-SDI
- 2 electrical inputs
- 2 electrical outputs
- 4 direction configured electrical ports
- Support 18 channel of CWDM
- Support 40 channel of DWDM
- Video router on de-multiplexer
- Up to 24 dB optical budget



## Product description

The Flashlink HD-TD-10GX-8-SFP is an 8 channel multi-format combined video multiplexer and demultiplexer supporting HD-SDI, SD-SDI and DVB-ASI on all its channels.

2 channels are fixed inputs, 2 channels are fixed outputs and 4 channels can be individually configured as inputs or outputs. The configuration of the ports can be done dynamically without affecting the signals running to/from the other ports.

The de-multiplexer also features a video router allowing any output port to reach any video channel inside the multiplex received by the card.

The HD-TD-10GX-8-SFP transports each video stream transparently with individual clock recovery for each stream. This allows for transport of streams that are asynchronous to each other.

The received and transmitted multiplexes are 10Gbps stream that are transported optically. The optical interface is SFP+ based supporting Nevion's range of 10G SFP+ including medium and long haul DWDM and CWDM as well as medium haul 13T.

Extensive monitoring is provided by the product. Signal integrity is monitored for both the incoming multiplex and the video inputs and outputs. Optical input and output level is monitored as well as temperature and card voltage levels. These monitoring parameters are presented in the Web interface and through SNMP provided by Multicon Gyda.

## Specifications

### 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	0-40C temperature

### Supported standards

SMPTE 259M, SMPTE 272M-AC, SMPTE 274M, SMPTE 291M, SMPTE 292, SMPTE 296M, SMPTE 299, EN50083-9

### Optical input

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

### Optical output

No of outputs	1
Signal type	10Gbps multiplex
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	HD-SDI, SD-SDI, DVB-ASI, SDTI
Cable equalization	Automatic 100m @ HD-SDI w/ Belden 1694A 275m @ SD-SDI w/ Belden 8281
Connector	BNC, 75Ohm

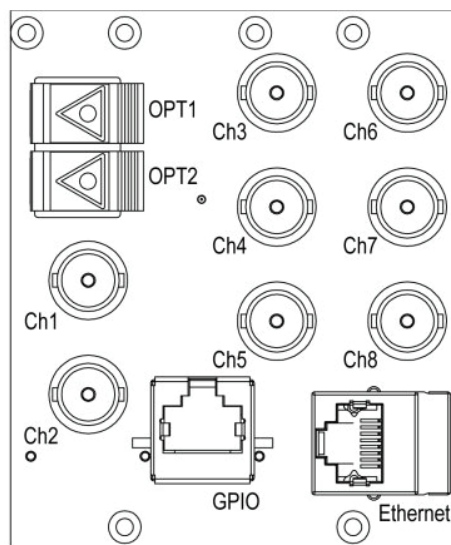
### Electrical SDI output

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

### Ordering options

22710 8 channel bi-directional video multiplexer, supporting HD-SDI, SD-SDI and DVB-ASI. SFP+ based optical interface, HD-TD-10GX-8-SFP supporting CWDM, DWDM, 13T, medium and long haul. SFP+ interface is not included.

See Nevion Web page for applicable 10G SFP+.



Connector module for HD-TD-10GX-8-SFP



## CONTACT INFORMATION

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