

Flashlink

DVI-SDI-2-SFP

Dual DVI/HDMI 3G-SDI converter

The Nevision Flashlink DVI-SDI-2 is a dual channel DVI/HDMI to 3G/HD/SD-SDI converter designed for fiber transport applications.

DVI-SDI-2 features SFP based SDI interface that allows utilizing the Nevision's range of Video SFP transmitters. These receivers covers optical CWDM transmitters, electrical interfaces as well as analog PAL/NTSC interfaces.

Together with SDI-DVI-2 this card can be used as an optical extender, transporting DVI and HDMI signals optically over 60km over a single wavelength. Up to 18 channels of HDMI can be transported over a single fiber when using Flashlink CWDM-18 filter.

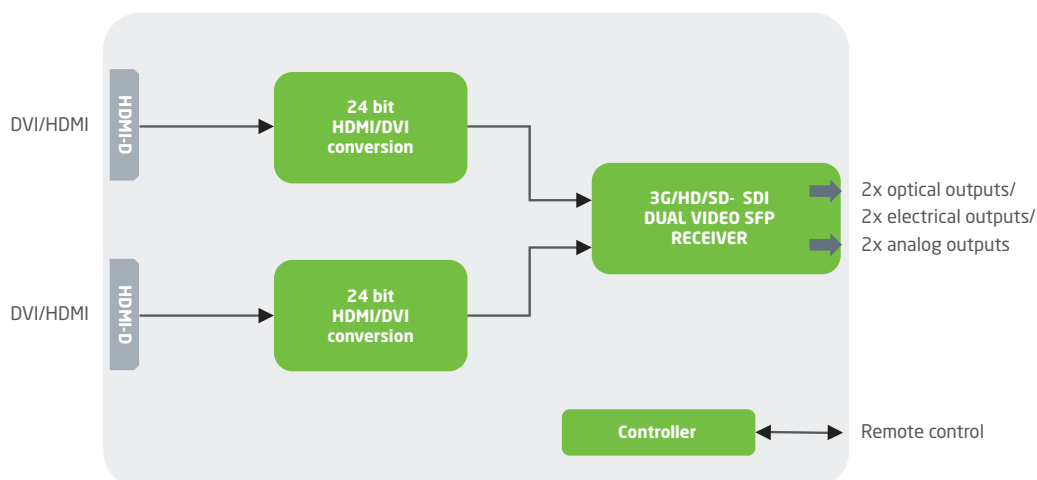
DVI-SDI-2 can be enclosed in any flashlink housing including the small single card enclosure N-BOX. This makes it suitable for throw down applications like prosumer camera interfacing.

Applications

- Fiber transport
- Prosumer camera interfacing
- Computer interfacing
- HDMI conversion

Key features

- Multi format support including:
 - 1080P 50/59.94Hz
 - 1080i 50/59.94Hz
 - 720P 50/59.94Hz
 - 576i 50Hz, 480i 59.94Hz
 - 640x480, 800x600, 1024x768, 1280x1024
- Embedding of two AES channel, group 1
- Support Nevision's Video SFP transmitters including:
 - 13T, and 18 channels of CWDM optical transmitters
 - Dual electrical 3G/HD/SD-SDI transmitter
 - Dual PAL/NTSC transmitter



Product description

The DVI-SDI-2 can receive two DVI/HDMI and convert those to 3G/HD/SD-SDI signal that is transmitted through an SFP interface. The DVI/HDMI signal is received on two HDMI type D connectors. Special converter cables from HDMI type D to either the standard HDMI type A or DVI-D connector can be acquired from Nevision. These cables feature a latching mechanism to the HDMI type D connector ensuring reliable interfacing.

The SDI interface is SFP based and can utilize Nevision's range of Video SFP transmitters. The SFPs are small form factor pluggable devices that are hot-swappable from the backplane. In addition to dual optical 13T or CWDM transmitters, Nevision also provides dual electrical SDI transmitters and dual analog video transmitters. The electrical SDI and analog transmitters are available with both DIN1.0/2.3 and HD-BNC for coaxial interfacing.

The card provides information about card status, signal status, signal format, card voltage levels and temperature. This information can be accessed through a Web interface or SNMP by using the Flashlink element manager, Multicon Gyda. Also, card status and signal status is displayed on front visible LEDs and GPI interface on the backplane.

Specifications

General

Power 5VDC	5W max
Control and monitoring	DIP configuration, SNMP and Web interface
Temperature range	0 to +40°C

Supported standards

SMPTE292M, SMPTE259M, SMPTE297M, SMPTE425A, SMPTE425B, SMPTE424

Electrical inputs

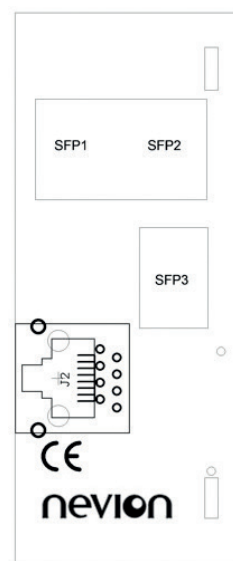
Number of inputs	2
Connector	HDMI type D HDMI type A with use of adapter cable DVI-D with use of adapter cable
Supported formats	525i/625i 720P/1080i, 50/ 59.94/ 60Hz 1080P, 50/ 59.94/ 60Hz 640x480: converted to 720p by adding black lines 800x600: converted to 720p by adding black lines 1024x768: converted to 1080p by adding black lines 1280x1024: converted to 1080p by adding black lines
Video processing	24bit (3x8bit)
Audio de-embedding	2 AES channels, group 1

SFP transmitter

Number of outputs	2
Connector	LC/UPC - optical SFPs HD-BNC or DIN1.0/2.3 - electrical SFPs
SFP type	Nevision video SFP, dual transmitter

Ordering options

22758 DVI-SDI-2-SFP	Dual DVI/ HDMI to SDI converter supporting SD/HD/3G broadcast formats. SDI SFP interface not included.
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Connector module for DVI-SDI-2-SFP



CONTACT INFORMATION

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