



## FLASHLINK

FC-3G-EO-14, FC-3G-OE-14, FC-3G-EO-28,  
FC-3G-OE-28 and FC-3G-EO-OE-28

## Compact optical converter

**The Flashlink Compact optical converter is the perfect choice for transporting multiple SD-SDI/HD-SDI/3G-SDI signals in-house or through campus.**

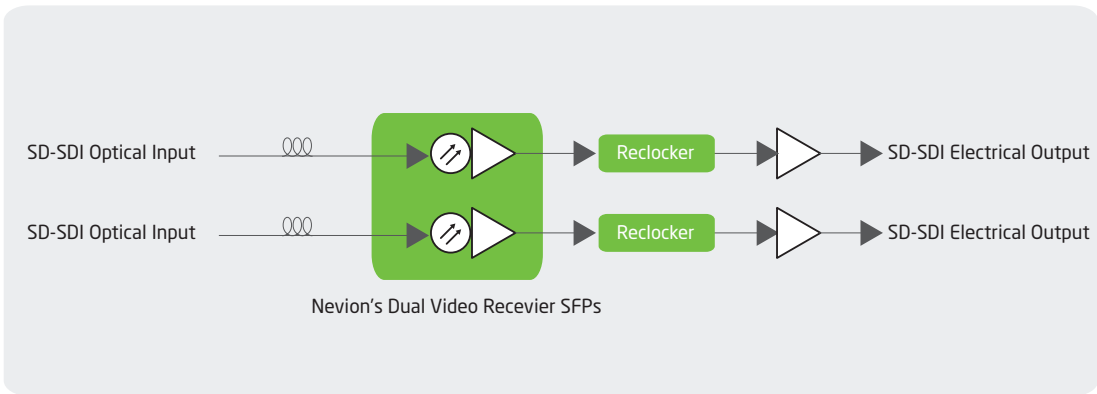
The Flashlink Compact is available in five different versions with various optical port configurations. All variants have options for redundant power supply and support Multicon Gyda configuration and monitoring. This solution overcomes the limitations of coaxial cable in inter/intra-facility optical fiber transport when transitioning from SD-SDI to HD-SDI/3G-SDI.

### Applications

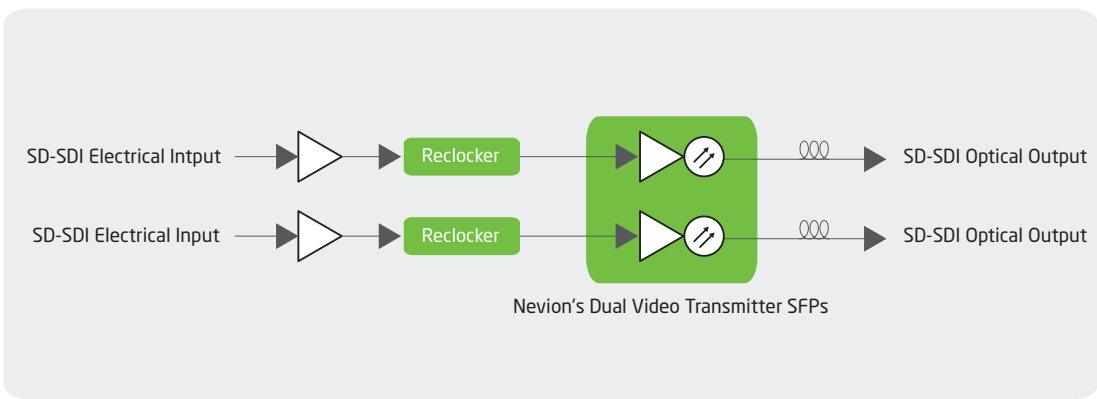
- Studio interconnecting
- OB production
- Dark fiber networks

### Key features

- Low power
- High density, 28 channels on 1U
- Re-clocking of SD-SDI/HD-SDI/3G-SDI
- Hot pluggable optics
- Optional configuration and monitoring from Multicon Gyda SNMP
- Optional dual power supply



FC-3G-OE



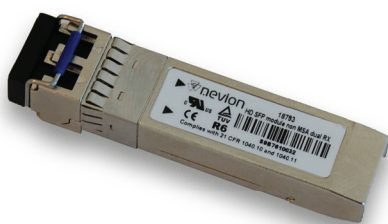
FC-3G-EO



FC-3G-EO-14/FC-OE-3G-14



FC-3G-EO-28/FC-OE-3G-28/ FC-3G-EO/OE-28



SFP-3G-OE-2

### Supported standards

SD-SDI, 270Mbps	SMPTE 259M1
HD-SDI, 1485Mbps	SMPTE 292-2008
3G-SDI, 2999Mbps	SMPTE 424M1
DVB-ASI	EN50083-9.
Fiber transmission	SMPTE 297-2006
Electrical connector, BNC	IEC 61169-8

### Optical SDI input

Sensitivity	-18dBm
Detector overload threshold	0dBm
Detector damage threshold	>+1dBm
Optical wavelength	1260 – 1620nm
Transmission circuit fiber	9/125um single mode fiber
Connector	LC/UPC

### Optical SDI output

Light source	FP laser
Optical power	0 to -5dBm, typ -2dBm,
Optical center wavelength	1310nm
Max. wavelength variation	+/-20nm
Transmission circuit fiber	Single mode 9/125um
Connector	LC/UPC

### Electrical SDI input

Connectors	BNC, IEC 61169-8
Impedance	75 Ohm
Cable equalization	Automatic 125m @270Mbps w/Belden 1694A 100m @1485Mbps w/Belden 1694A 70m @1485Mbps w/Belden 1694A
Input return loss	>15dB, 5 – 1485MHz >10dB, 1485 – 2970MHz

### Electrical SDI outputs

Connectors	BNC, IEC 61169-8
Impedance	75 Ohm
Output signal level	800mV +/- 10%
Output signal rise / fall time	20% – 80%
SD-SDI	0.4ns – 1.5ns, <0.5ns rise/fall variation
HD-SDI/3G-SDI	< 270ps, <100ps rise/fall variation
DC-offset	0V +/- 0.5
Amplitude overshoot	<10%
Output return loss	>15dB, 5 – 1485MHz >10dB, 1485 – 2970MHz

### Physical and environmental

Power	+15V DC / 26W, max
Weight	2.0kg, 2.4kg with dual power
Size	1.7' x 19" x 3.1" (H x W x D) 43.4mm x 482.6mm x 80.0mm (H x W x D)
Control	Options for Multicon Gyda control and status BITE (Built-In Test Equipment) Status LED in front Configurations DIP in front
Operating temperature	0 to +30 °C
Data rate relocked	270, 1485, 1485/1001, 2970, 2970/1001Mbps
Data rate non-relocked	19.4 to 2970Mbps

### Ordering options

FC-3G-EO-14	Flashlink Compact 1RU, depth 80mm, 14-ch electrical to optical converter, equipped with 7 slots for dual SFP transmitter, for up to 14 electrical to optical converters.  Single power supply SL-PWR-40 included, equipped for redundant power supply, without Web/SNMP monitoring, specify number of SFPs upon ordering. Partial SFP population possible, HW locked to Nevision SFPs for upgrade of partially equipped units.
FC-3G-EO-28	Same as FC-3G-EO-14 with options for up to 28 channels.
FC-3G-OE-14	Flashlink Compact 1RU, depth 80mm, 14-ch optical to electrical converter frame, equipped with 7 slots for dual SFP receiver, for up to 14 optical to electrical converters.  Single power supply SL-PWR-40 included, prepared for redundant power supply, without Web/SNMP monitoring, specify number of SFPs upon ordering. Partial SFP population possible, HW locked to Nevision SFPs for upgrade of partially equipped units.
FC-3G-EO-28	Same as FC-3G-EO-14 with options for up to 28 channels.
FC-3G-EO-OE-28	Same as FC-3G-EO-14 and FC-3G-OE-14 in one chassis.
SFP-3G-OE-2	Nevision dual optical SFP receiver.
SFP-3G-EO-2-13T	Nevision dual optical SFP transmitter.
SL-PWR-40	Second power supply.
FC-3G-Multicon-14	Multicon Gyda configuration and monitoring option for 14 channel hardware.
FC-3G-Multicon-28	Multicon Gyda configuration and monitoring option for 28 channel hardware.

Sales product	FC-3G-EO-14	FC-3G-EO-28	FC-3G-OE-14	FC-3G-OE-28	FC-3G-EO-OE-28
SL-PWR-40	Option	Option	Option	Option	Option
FC-3G-Multicon-14	Option	N/A	Option	N/A	N/A
FC-3G-Multicon-28	N/A	Option	N/A	Option	Option
SFP-3G-EO-2-13T	Option, up to 7 SFPs	Option, up to 14 SFPs	N/A	N/A	Option, up to 7 SFPs
SFP-3G-OE-2	N/A	N/A	Option, up to 7 SFPs	Option, up to 14 SFPs	Option, up to 7 SFPs



## CONTACT INFORMATION

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