**FLASHLINK**

**FC-3G-EO-36 / FC-3G-OE-36 / FC-HD-EO-OE-36**

36 channel optical converter in 1RU

Flashlink Compact is a 36 channel optical converter in 1 RU perfect for transporting multiple SD/HD/3G-SDI signals in-house or through campus.

The product gives easy access to all optical SFP modules from the front of the chassis enabling easy upgrade of the system. In addition, two optical 18-channel CWDM filters can be fitted in the front, allowing all signals to be transported over two fibers. With the electrical cabling at the back, the more fragile optical cabling are separated from the rest of the cables ensuring easier and safer cable routing in the broadcast facility.

The Flashlink Compact also has dual set replaceable fans that are accessible from the front and that can be quickly dismounted—ensuring no down time during service. The dual fans are monitored separately, in conjunction with the redundant power supplies and signal status, through the Multicon web or SNMP interfaces, ensuring full reporting of system performance at all times.

**Applications**
- Broadcast in-house/campus networking
- Professional broadcast contribution
- Live media networking
- Fiber video networks

**Key features**
- High density, 36 channels on 1RU
- Built-in 2x 18 channel CWDM filters (optional)
- Nevion advanced SFP range supported
- Re-clocking of 3G/HD/SD-SDI, DVB-ASI
- External redundant power supply
- Field replaceable fans
- SNMP and Web interface control and monitoring supported thru Multicon GYDA
- Signal status LED in front for each optical signal
- Low power consumption
Flashlink FC-3G-EO-36 / FC-3G-OE-36 / FC-HD-EO-OE-36

Nevion's Dual Video Recevier SFPs

SD-SDI Optical Input → Reclocker → SD-SDI Electrical Output

SD-SDI Optical Input → Reclocker → SD-SDI Electrical Output

Nevion's Dual Video Transmitter SFPs

SD-SDI Electrical Input → Reclocker → SD-SDI Optical Output

SD-SDI Electrical Input → Reclocker → SD-SDI Optical Output

Flashlink FC-3G-EO-36 / FC-OE-3G-36 / FC-3G-EO/OE-36

SD-SDI Electrical Input → Reclocker → SD-SDI Optical Output

SD-SDI Electrical Input → Reclocker → SD-SDI Optical Output

FC-3G-EO

Reclocker

SD-SDI Optical Input

SD-SDI Optical Input

Reclocker

Reclocker

SD-SDI Electrical Output

SD-SDI Electrical Output
**Supported standards**

- SD-SDI, 270Mbps SMPTE 259M
- HD-SDI, 1485Mbps SMPTE 292-2008
- 3G-SDI, 2999Mbps SMPTE 424M
- DVB-ASI EN50083-9
- Fiber transmission SMPTE 297-2006

**Dual Rx SFP sockets**

For specifications see datasheet for respective SFP module

**Dual Tx SFP sockets**

For specifications see datasheet for respective SFP module

**Electrical SDI Input**

- Connectors: BNC 75 Ohm
- Cable equalization: Automatic
  - 150m @ 2970Mbps w/Belden 1694A
  - 250m @1485Mbps w/Belden 1694A
  - 550m @270Mbps w/Belden 8281
- Input return loss: >15dB, 5 – 1485MHz
  >10dB, 1485 – 2970MHz

**Electrical SDI outputs**

- Connectors: BNC 75 Ohm
- Output signal level: 800mV +/- 10%
- Output jitter: SD/HD 0.025UI, 3G 0.3UI
- 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 7.5” (H x W x D)
  43.4mm x 482.6mm x 190mm (H x W x D)
- Control Web interface and SNMP support thru Multicon GYDA
- Status LEDs in front
- DIP switch configurations in back
- Operating temperature: 0 to +40°C
- Data rate reclocked: 270, 1485, 1485/1.001, 2970, 2970/1.001Mbps
- Data rate non-reclocked: 19.4 to 2970Mbps

**Ordering options**

- Flashlink Compact 36xOE w/ 1x 18Ch CWDM filter: FC-3G-OE-36+1C
- Flashlink Compact 36xEO w/ 1x 18Ch CWDM filter: FC-3G-EO-36+1C
- Flashlink Compact 18xEO + 18xOE w/ 1x 18Ch CWDM filter: FC-3G-EO-OE-36+1C
- Flashlink Compact 36xOE w/ 2x 18Ch CWDM filter: FC-3G-OE-36+2C
- Flashlink Compact 36xEO w/ 2x 18Ch CWDM filter: FC-3G-EO-36+2C
- Flashlink Compact 18xEO + 18xOE w/ 2x 18Ch CWDM filter: FC-3G-EO-OE-36+2C
- Flashlink Compact 36xOE: FC-3G-OE-36
- Flashlink Compact 36xEO: FC-3G-EO-36
- Flashlink Compact 18xEO: FC-3G-EO-18
- Flashlink Compact 18xOE: FC-3G-OE-18
- Power supply Sublime series (CLP0090-0000): SL-PWR-90 90W
- Single power supply SL-PWR-90 included, prepared for redundant power supply
- SFPs are ordered separately
- For ordering information please contact product@nevion.com
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