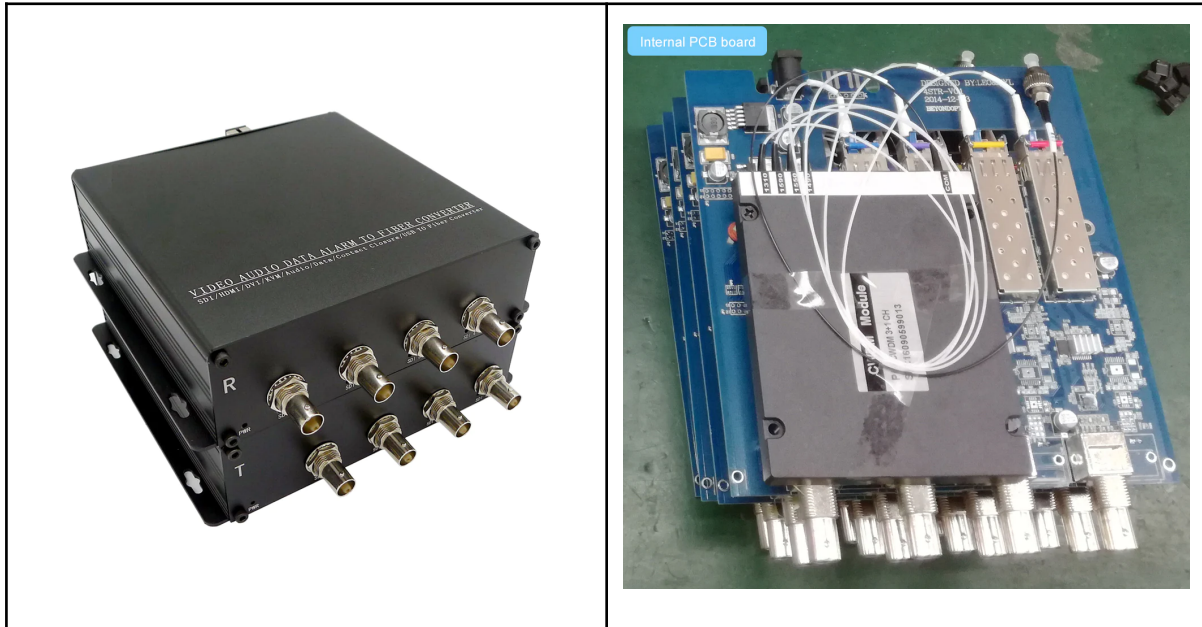


4 Ch Independent 3G-SDI Over Fiber Extender to 10 Kilometers, 4K SDI to Fiber Converter, 4K UHD at 60fps or at 30fps over 1 Fiber



Features:

- Support for 4 independent 3G/HD/SD-SDI channels, Pass All Pathological Patterns.
- Compliant with SMPTE Standards: SMPTE ST 425-3, ST 425-5, 259M-2006, 292-2006, 424M-2006, SMPTE 305M-2005, 310M-2004, 344M-2000
- CWDM optical multiplexing technology, Each SDI signal has its own laser and is converted to a different optical wavelength.
- Transport 1 Ch 4K@60fps (uncompressed) up to 10 kilometers (6.2 miles) or 2 Kilometers over Multimode Fiber or 2 Ch 4K@30fps.
- Each Channel supports SMPTE standard of SDTV (143-540Mbps), HDTV (1.485Gbps) and HDTV (3Gbps, 1080p60).
- Each channel SDI individually re-clocked input and individually re-clocked SDI output
- Embedded audio / data support for each channel.
- LED indicators for channel activity and power

Description:

BY-SDI-390 is a self contained fiber transmission kit for the transporting 4 discreet SDI signals (or 4K UHD / 12G uncompressed) over one (1) single fiber link. The kit includes the fiber transmitter, fiber receiver and power supplies. This is an ideal

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solution for the transmission of multiple uncompressed SDI streams, or 4K/UHD up to 10km with zero signal loss.

Each channel is fully independent. For 4K/UHD application, the signal is split over 4 separate 3G SDI links (12G) and supports full 4K/UHD resolution at 60fps. The system is able to combine SDI signals with a mix of formats and bit-rates, if required. Each channel will automatically detect and reclock SDI bit rates of 270Mbit, 1.48Gbit and 2.97Gbit.

Connections:

- 1 Ch 4 x 3G SDI Signal ---> 4K/UHD @ 60fps display
- 1 Ch 2 x 3G SDI (4K/UHD @ 30fps) Signal ---> 4K/UHD @ 30fps display+ 1 Ch 2 x 3G SDI (4K/UHD @ 30fps) Signal ---> 4K/UHD @ 30fps display
- 4 Ch 3G-SDI 1080P Signal ---> 4 x 1080P60 displays

Specification

- Each Ch SDI input/output:
- Signal format: SMPTE 424M, SMPTE 292M, SMPTE 259M
- Each Ch Data rate: 270Mbit/s - 1.48Gbit/s - 3Gbit/s
- Cable Equalization Automatic cable EQ (Belden 1694A cable):
- 250m @ 270Mbit/s, 140m @ 1.5Gbit/s, 80m @ 3Gbit/s
- SDI interface: BNC 75 Ohm
- Number of receiver output: 4 Ch
- Number of transmitter channel: 4 Ch
- Fiber interface: 1 x SC, 1 x LC, 1 x ST, 1 x LC
- Transmitter wavelength: 4 x CWDM wavelength selected from 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610nm
- Fiber Cable Types: Single-mode & Multimode Optical Fiber
- Optical Source: DFB Laser Module - CWDM
- Transmitter output power: -5~0dBm
- Receiver sensitivity: -18dBm dBm

Environmental

- Input power: DC 12V
- Power consumption: 8W
- Work Temp: -20°C to 55°C

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- Storage Temp:-40°C to 85°C
- humidity:0 ~ 95% (non-condensing)
- Net weight:2.5KG/pair
- Dimensions:168 ×154 × 45 mm

Package

- 1 x BY-SDI-390 transmitter
- 1 x BY-SDI-390 receiver
- 2 pieces power supply adapters with US/EU/UK/AU plug.

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