

Gefen GEF-3GSDI-FO-141 GefenPRO 3G-SDI Fiber Optic Extender

SD/HD/3G SDI Serial Digital Video Transport System over Fiber optic

The GefenPRO 3GSDI Fiber Optic Extender is a miniature serial digital video data transport system extending video over fiber optic cable supporting 1080p for 3G-SDI. It converts a one-channel SMPTE-424M 3G-SDI, SMPTE-292M HD, or SMPTE-259M serial digital video signal over extended distances up to 12 miles (20 km) using either single-mode or multi-mode fiber optic cable, terminated in ST.

How It Works

The Sender unit receives the SDI input signal from a compatible SD/HD/3G SDI source and converts the SMPTE-424M / 292M / 259M SDI signals to optical data. The Receiver unit converts the data to an SD/HD/3G SDI signal, which in turn connects to BNC connection point, or a display. Both Sender and Receiver units are powered by an external 5V locking power supply.

Features:

- Extends SD/HD/3G-SDI up to 12 miles (20km)
- Transports Multi-rate SDI Digital Video over one fiber cable
- Supports SMPTE-424M (3G-SDI), SMPTE-292M (HD-SDI), or SMPTE-259M (SDI) specifications
- Automatic Input Equalization
- Automatic Output Clock Recovery
- Latch-Locking Power Supplies
- BNC and ST-type locking connectors
- Robust metal die-casting enclosure for use in harsh environments

Specifications:

- Input Impedance: 75 &8486;
- Data Rate: Up to 3.0 Gbps
- Signal Level: 800mV p-p (\pm 50mV)
- Optical Fiber Connector: ST terminated
- Output Connector: BNC, female
- Input Connector: BNC, female
- Distance: Up to 12 miles (20 kilometers)
- Propagation Delay (Sender): 1.5 ns
- Propagation Delay (Receiver): 40 ns
- Dimensions: 0.77"W x 0.77"H x 1.97"D
- Power Supply: 5V DC, Locking
- Power Consumption: 2.5 Watts (max.)
- Power Budget: 16 dB
- Operating Temperature: - 20 ~ 80 °C
- Shipping Weight: 1.3 lbs

Package Includes:

- (1) GefenPRO 3GSDI Fiber Optic Extender Sender Unit
- (1) GefenPRO 3GSDI Fiber Optic Extender Receiver Unit
- (2) 5V DC Locking Power Supplies
- (1) User Manual