

12G-SDI Optical Extender



Ref. EXT-12G-SDI-OPT

Professional 12G-SDI optical extender for long range signal management



12G-SDI

Up to
4K UHD
@ 60Hz

zero
latency

Up to
5 km
(3.1 mi)

Single-
mode
fiber (LC)

Overview

The **EXT-12G-SDI-OPT** is a compact optical extender kit with a transmitter and receiver equipped with SFP optical modules, designed for long-distance transmission of professional SDI video signals. It supports formats from SD-SDI to 12G-SDI, including 4K UHD (3840 × 2160) at 60 Hz. Using single-mode LC fiber, SDI signals can be extended up to 5 km with no added latency, making it ideal for broadcast, live production, and other professional AV applications.

Key features

- ▶ Long distance 12G-SDI extension over fiber
- ▶ 4K UHD video up to 3840 × 2160 @ 60 Hz
- ▶ Transmission distance up to 5 km (3.1 mi)
- ▶ Single-mode fiber with LC optical connectivity
- ▶ Supports SD-SDI, HD-SDI, 3G-SDI, 6G-SDI and 12G-SDI
- ▶ Video bandwidth from 270 Mbps to 11.88 Gbps
- ▶ Near-zero latency for real-time applications
- ▶ Compact transmitter and receiver design
- ▶ Status LED for easy troubleshooting
- ▶ Secure simple point-to-point architecture
- ▶ Standard BNC connectivity for SDI input and output
- ▶ External 5V DC power adaptors provided
- ▶ TAA-compliant

Product dimensions (transmitter or receiver)

- ▶ W 3.46" x H 1.06" x D 1.07"
- ▶ W 88 mm x H 27 mm x D 27.3 mm

Operating conditions

- ▶ Temperature: 0 to 50°C (32 to 122°F)

Power consumption

- ▶ 1.50 W (transmitter)
- ▶ 1.50 W (receiver)

Warranty

- ▶ 1-year warranty on parts and labor back to factory - Broken connectors are not covered by warranty

RoHS

- ▶ Complies with Directive EU 2015/863 (RoHS3)

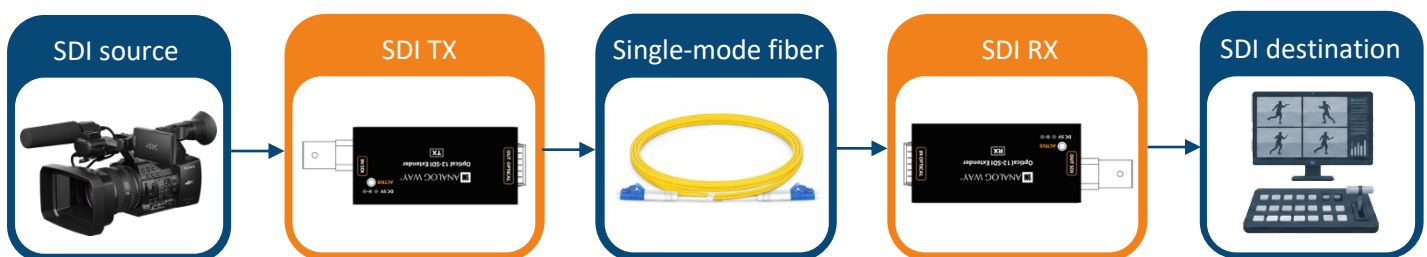
Safety

- ▶ Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 (Ed. 3) as described in laser notice No 56 date May 8, 2019

- ▶ Laser classification: Class 1

CLASS 1 LASER PRODUCT
CONSUMER LASER PRODUCT
EN 50689:2021

Specifications subject to change without prior notice



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