

Miniature Fiber Optic 3G-SDI Digital Video Extender



“SMPTE-424M 3G-SDI”

“SMPTE-292M HD-SDI”

“SMPTE-259M SDI”

“DVB-ASI”

Descriptions

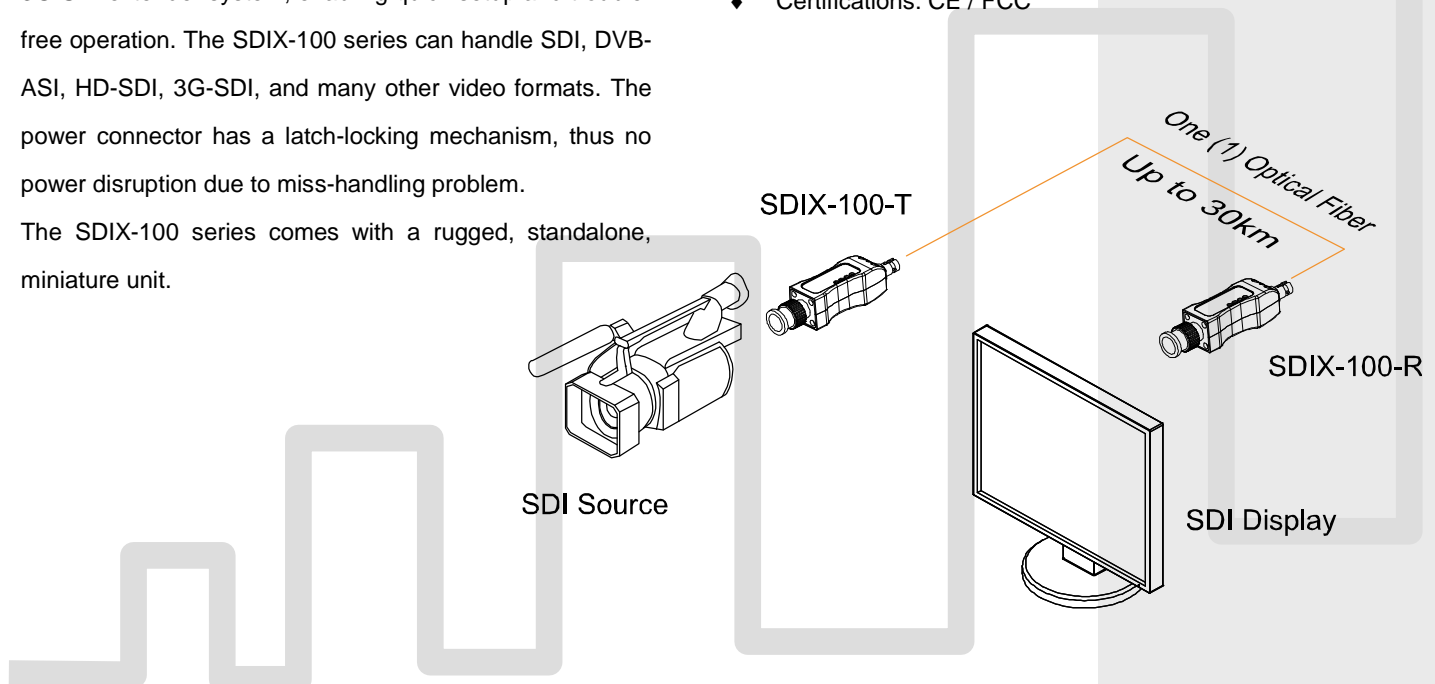
The OPTICIS 3G-SDI extender, SDIX-100 is a miniature, Fiber Optic 3G-SDI Digital Video Transport System, supporting the new 1080p, 3G-SDI format. The SDIX-100 is designed to transport one(1) channel SMPTE-424M 3G-SDI, SMPTE-292M HD-SDI or SMPTE-259M serial digital video signal over long distance through either single-mode or multi-mode fiber with the same model.

Due to the use of advanced digital fiber optic transmission technology, no user adjustments are required in the Mini 3G-SDI extender system, enabling quick setup and trouble-free operation. The SDIX-100 series can handle SDI, DVB-ASI, HD-SDI, 3G-SDI, and many other video formats. The power connector has a latch-locking mechanism, thus no power disruption due to miss-handling problem.

The SDIX-100 series comes with a rugged, standalone, miniature unit.

Key Features

- ◆ Supports up to 3G-SDI.
- ◆ Offers re-clocker included model SDIX-100C as an option.
- ◆ Extends up to 30km @3G.
- ◆ Transports Multi-rate HD-SDI Digital Video over 1 Fiber.
- ◆ Latch-Locking Power Connector.
- ◆ HD-SDI BNC input connector and ST terminated fiber optical connector.
- ◆ Supports embedded audio (such as embedded AES audio signal).
- ◆ Robust metal die-casting enclosure for harsh environment
- ◆ Certifications: CE / FCC



Miniature Fiber Optic 3G SDI Digital Video Transport Systems

Digital Video

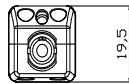
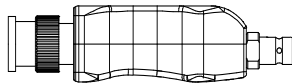
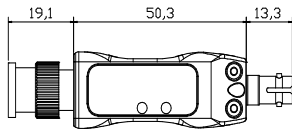
Signal Format	SMPTE-424M 3G-SDI SMPTE-292M HD-SDI SMPTE-259M SDI and many others
Input Connector	75 Ohm SDI BNC
Data Rate	3 Gbps
Signal Level	800mVp-p +/- 50mV

Optical

Fiber Type	Single-mode and Multi-mode
Number of Fibers	1
Output Connector	ST (Single-mode and Multi-mode)
Power Budget	Min. 11dB
Distance	30km @3G

Drawing

Dimension[mm]



Physical

Dimension (WDH)	19.5 x 50.7 x 19.5 (mm)
Power Level	+5 VDC @ 1.5 A
Operating Temperature	0 ~ 50°C
Humidity	10 to 85% RH, non-condensing



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