

# Miniature Fiber Optic 3G-SDI Digital Video Extender



“SMPTE-424M 3G-SDI”

“SMPTE-292M HD-SDI”

“SMPTE-259M SDI”

“DVB-ASI”

## Descriptions

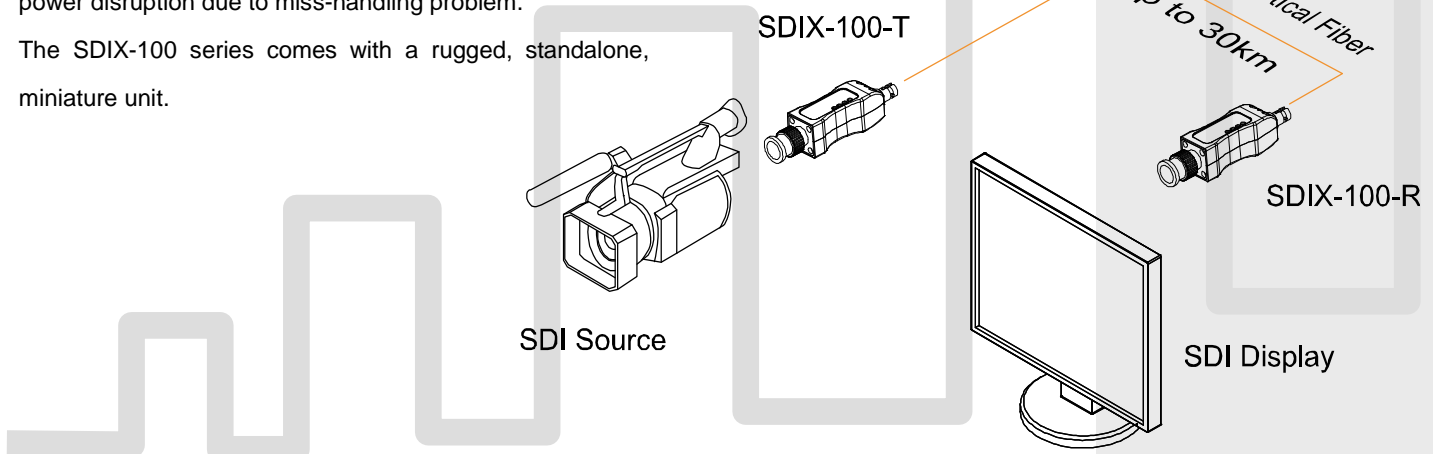
The OPTICIS 3G-SDI extender, SDIX-100 is a miniature, fiber-optic 3G-SDI digital video transmission system, supporting up to 1080p, 3G-SDI format. The SDIX-100 is designed to transmit one (1) channel of multi-rate SDI including SMPTE-424M (3G-SDI), SMPTE-292M (HD-SDI) or SMPTE-259M serial digital video signal up to 30km 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 multi-rate SDI up to 3G-SDI over one (1) fiber
- ◆ Extends up to 30km at 3Gbps
- ◆ Applicable to both single and multi-mode fibers
- ◆ Provides Clock and Data recovery (CDR) included model, SDIX-100C as an option
- ◆ SDI BNC input connector and ST terminated fiber optical connector
- ◆ Latch-locking power connector
- ◆ Robust metal die-casting enclosure for harsh environment
- ◆ Supports +5-16V DC of power range
- ◆ Available to get power from camera directly by PG-100 (50cm of 4-pin XLR male to mini XL female connector cable)
- ◆ Adopts up to 12 units in a 19" rack, BR-300 and BR-310



## Miniature Fiber Optic 3G SDI Digital Video Transport Systems

### Digital Video

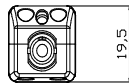
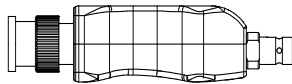
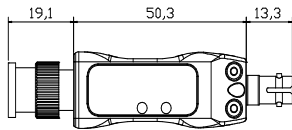
Signal Format	SMPTE-424M 3G-SDI SMPTE-292M HD-SDI SMPTE-259M SDI and many others
Input Connector	75 Ohm SDI BNC
Data Rate	3 Gbps
Signal Level	800mVp-p +/- 50mV

### 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 (H x W x D)	19.5 x 19.5 x 50.3(mm)
Power Level	+5 VDC @ 1.5 A
Operating Temperature	-20 ~ 70 °C
Humidity	0 to 95% RH, non-condensing



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