

Miniature Fiber Optic 3G-SDI Digital Video Extender



“SMPTE-424M 3G-SDI”

“SMPTE-292M HD-SDI”

“SMPTE-259M SDI”

“DVB-ASI”

Descriptions

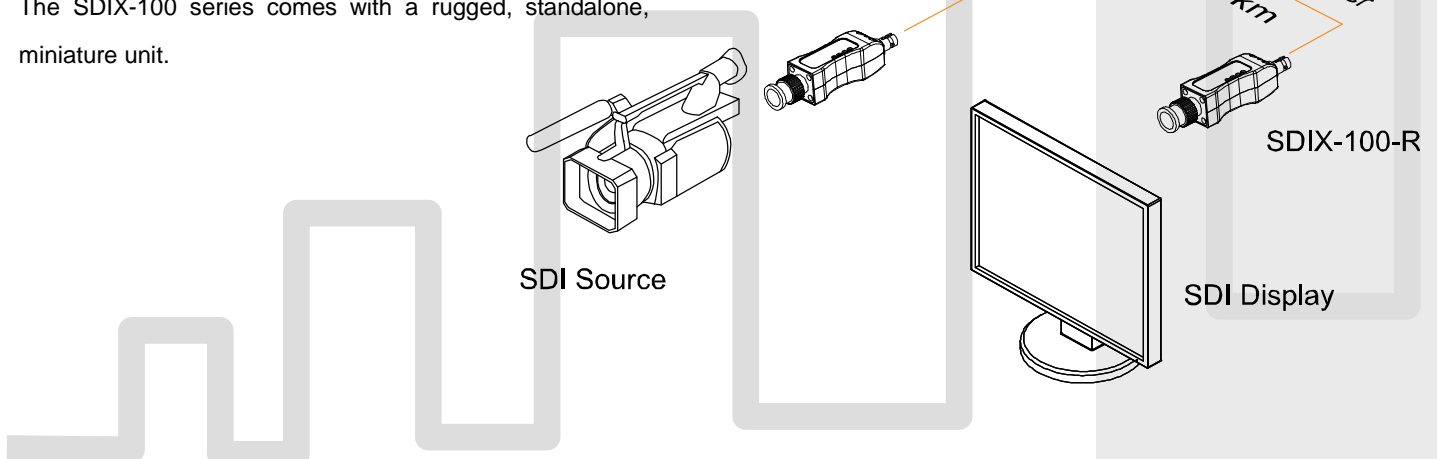
The OPTICIS 3G-SDI extender, SDIX-100 is a miniature, Fiber Optic 3G-SDI Digital Video Transport System, supporting the new 1080p, 3G-SDI format. The SDIX-100 is designed to transport one(1) channel SMPTE-424M 3G-SDI, SMPTE-292M HD-SDI or SMPTE-259M serial digital video signal over long distance through 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.
- ◆ Robust metal die-casting enclosure for harsh environment.



Miniature Fiber Optic 3G SDI Digital Video Transport Systems

Digital Video

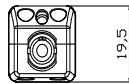
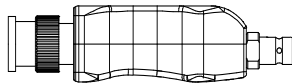
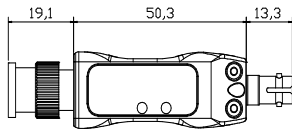
| | |
|-----------------|---|
| Signal Format | SMPTE-424M 3G-SDI SMPTE-292M HD-SDI SMPTE-259M SDI and many others |
| Input Connector | 75 Ohm SDI BNC |
| Data Rate | 3 Gbps |
| Signal Level | 800mVp-p +/- 50mV |

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 50.7(mm) |
| Power Level | +5 VDC @ 1.5 A |
| Operating Temperature | -20 ~ 70 °C |
| Humidity | 0 to 95% RH, non-condensing |



OPTICIS HQ
Opticis Co., Ltd.
304, Byucksan Technopia, 434-6
Sangdaewon-Dong, Chungwon-Ku,
Sungnam City, Kyungki-Do, 462-716
South Korea
Te l: +82 (31) 737-8033~8
Fax: +82 (31) 737-8079
www.opticis.com
tosales@opticis.com

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