

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, SDISE-100 is a miniature, fiber-optic 3G-SDI digital video extender supporting full HD 1080p, 60Hz and designed to transmit multi-rate SDI signal including 3G-SDI (SMPTE-424M), HD-SDI (SMPTE-292M) or DVB-ASI and serial digital video signal (SMPTE-259M) up to 2Km over one (1) ST single-mode fiber.

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 SDISE-100 can simply extend over the limits including falloff of video quality, signal delay and maintenance or security problem by distribution or repeater for long-distance transmission in IP base or copper wire system.

The SDISE-100 also provides wide range of operating temperature as -20 ~ 70°C. Its LEDs show the power supply and fiber connection status to run stable system without any disruption or disconnection from the power failure. The SDISE-100 series comes with a rugged, standalone, and miniature unit.

Key Features

- ◆ Supports full HD 1080p at 60Hz
- ◆ Extends multi-rate HD-SDI digital video over one (1) ST fiber up to 2km at 3Gbps
- ◆ Provides two (2) +5V 1A power supply adopter
- ◆ HD-SDI BNC input connector and ST terminated fiber optical connector
- ◆ Supports wide range of operating temperature: -20 ~ 70°C
- ◆ Equips with power and fiber connection status LEDs
- ◆ Robust metal die-casting enclosure for harsh environment

Applications

- ◆ Government, Control/Monitoring room, Corporate, Public institution, Bank and all places operating the security system by HDCCTV camera

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Digital Video

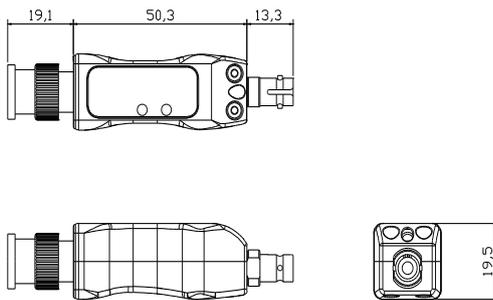
Signal Format	SMPTE-424M 3G-SDI SMPTE-292M HD-SDI SMPTE-259M SDI and many others
Input Connector	75 Ohm SDI BNC
Data Rate	3Gbps
Signal Level	800mVp-p +/- 50mV

Optical

Fiber Type	Single-mode
Number of Fibers	1
Output Connector	ST (Single-mode)
Power Budget	8dB
Distance	2km at 3Gbps

Drawing

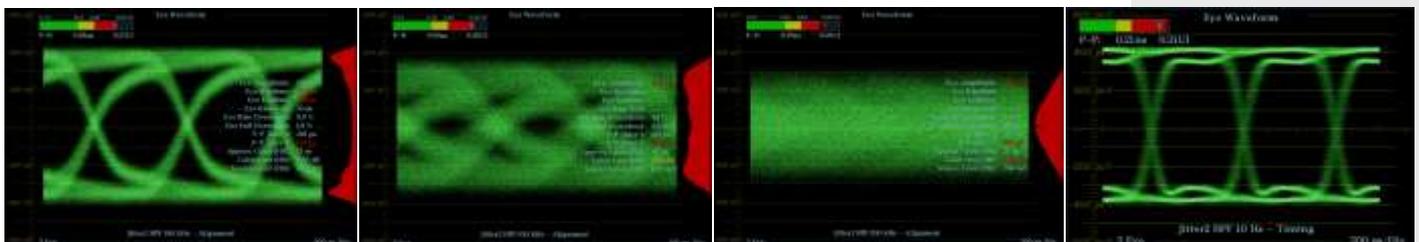
Dimension [mm]



Physical

Dimension (H x W x D)	19.5 x 19.5 x 50.3 (mm)
Power Level	+5 VDC @ 1A
Operating Temperature	-20 ~ 70 °C
Humidity	0 to 95% RH, non-condensing

Signal Quality (Jitter)



Copper 10m

Copper 40m

Copper 80m

SDISE-100 2Km

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