

HD/ SD-SDI to Fiber Converter

FEATURES

- 1 channel video and audio transmission of digital video signal over optic fiber
- Handles pathological pattern
- Automatic cable equalization to ensure signal integrity
- Automatic reclocking at 270Mbps, 1.485Gbps
- Support signal type: SMPTE 292M, SMPTE 259M, DVB-ASI
- Long transmission capability at least 10 km, up to 80 km
- Terminal block power input for industrial application
- Plug & Play

Designed for Megapixel Video

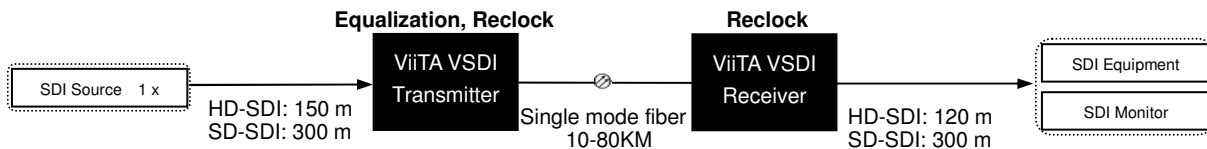


DESCRIPTION

ViiTA VSDI series fiber video converter is an ideal and economic solution for broadcasting or surveillance applications. It receives one HD-SDI electrical input, perfectly converts electrical SDI signal to single mode optic SDI signal. It supports transmission image of SDTV (143-540Mbps) and HDTV (1.485Gbps).

Both transmitter and receiver provide equalizing and reclocking at input unit in order to re-construct the signal for consistent quality. Besides, with ViiTA advanced fiber technology, VSDI can easily pass pathological pattern to prove its complete transmission.

APPLICATION



Ordering Information

Model*	Fiber Type	Reference Distance	Wavelength ** (nm)	Typical Optical Power Budget (dB)	Connector
VSDI312	Single mode	10 km	1310	11	ST
VSDI343	Single mode	40 km	1550	19	ST
VSDI383	Single mode	80 km	1550	24	ST

* Loop out connector in option

** CWDM version supports up to 16 channels. Please contact ViiTA for more detail.

SPECIFICATION

SDI Input	
Signal Type SDI	SMPTE 292M, SMPTE 259M DVB-ASI
Data Rates	1485, 1483, 540, 360, 270, 177, 143 Mbps
Cable Equalization	300m for SD-HDI, 150m for HD-SDI
Connector	BNC

General	
Input Power	5 VDC
Power consumption (maximum)	Transmitter: 0.34 A Receiver: 0.30 A
Operating temperature	0°C to 55°C
Storage temperature	-10°C to 70°C
Operating humidity	0 ~ 95% (non-condensing)
Net Weight	158g per pair
Case material	Aluminum
Certifications	CE, Complies with FDA requirements for Class 1 laser products

Testing

720p@59.94@Checkfield



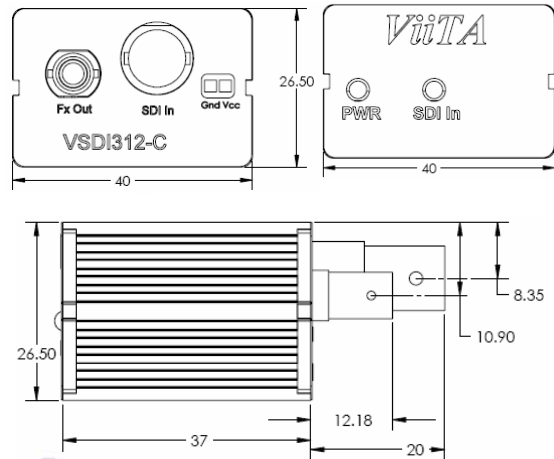
1080i@60@Checkfield



*For more testing information, please contact us.

Dimension

40(W)*37(L)*26.5(H) mm



Part Number Naming

