

Data Sheet



3G/HD-SDI 4 Channel Video Fiber Optic Link

HD4V

FEATURES

- 4-Channel uncompressed 3G/HD-SDI video over fiber
- Supports SMPTE 424M, 292M, 259M and others
- Error Free SDI pathological pattern operation
- More than 20km transmission distance
- Including equalizer and cable driver
- LED indicator for channel operation status
- 75ohm BNC and ST fiber optical connector
- Stand alone or rack-mount package
- RoHS compliant



APPLICATIONS

- 3G/HD-SDI Video transmission
- SMPTE297-2006 compatible optical to electrical or electrical to optical interface
- Broadcasting, surveillance networks and CCTV security system

Video

Parameter	Specification
Signal Format	SMPTE-424M, SMPTE-292M, SMPTE-259M
Signal Level	800 mV Vp-p ± 50 mV
Data rate	Up to 2.97Gbps
Jitter*	< 1.0 UI - Timing Jitter < 0.2 UI - Alignment Jitter
Electrical Connector	BNC (75 Ω)

* Total Jitter at the end of Receiver output Maximum value

Optical

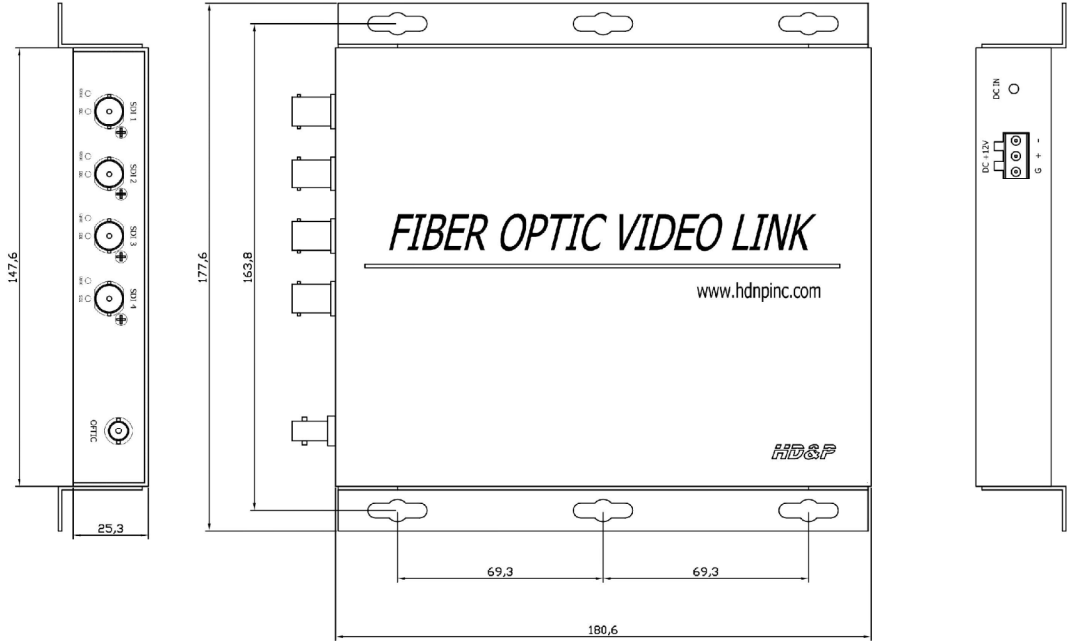
Parameter	Specification	
Wavelength	CWDM wavelength	
Transmitter	Output power	-3 ~ 0dBm
	Extinction Ratio	7dB
Receiver	Sensitivity	-21dBm@1.485Gbps
	Maximum Overload	0dBm
Distance (Typ.)	20km*	
Fiber Type	Single mode	
Optical Connector	ST Connector	
Number of Fibers	1	

* The maximum distance coverage may be greater than these typical numbers, depending on fiber type, fiber bandwidth, connector, splicing losses, chromatic dispersion, environmental factors, etc.

Electrical and Mechanical

Parameter	Specification
Power Supply	DC12V, 1.5A Adaptors
Operating Temperature	-0 to +50°C
Humidity	0 to 95% RH, non-condensing
Dimensions (W x D x H)	147.6 x 180.7 x 25.4 (mm)

DRAWING (mm)



REVISION HISTORY

Date	Revision	Description
December. 2014	000	Initial release