

## Data Sheet

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# 1ch 3G/HD-SDI Video Fiber Optic Link

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HDVE

### FEATURES

- Supports SMPTE-424M, SMPTE-292M, SMPTE-259M and others
- Error Free SDI pathological pattern operation
- More than 30km transmission distance
- Including equalizer and cable driver
- Operation status indication LED
- 75ohm BNC and ST fiber optical connector
- Latch locking power connector
- 5V single supply voltage
- Slim package
- RoHS compliant



### APPLICATIONS

- HD or 3G 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

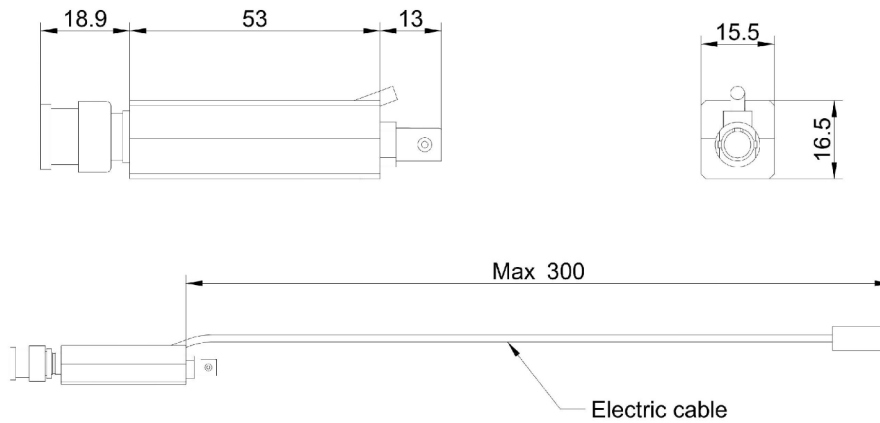
Parameter	Specification	
Wavelength	1310nm	
Transmitter	Output power	-7 ~ -3dBm
	Extinction Ratio	7dB
Receiver	Sensitivity	-22dBm@1.485Gbps
	Maximum Overload	0dBm
Distance (Typ.)	30km*	
Fiber Type	Single mode	
Optical Connector	ST Connector	
Number of Fibers	1	

\* 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.

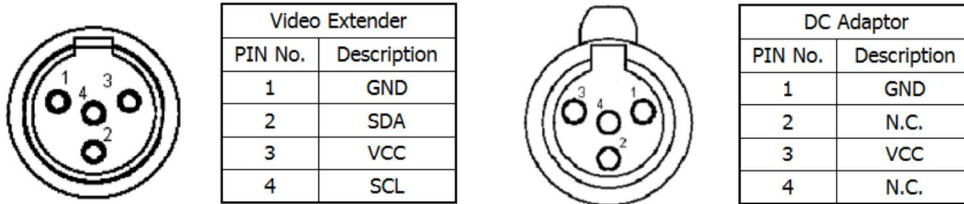
## Electrical and Mechanical

Parameter	Specification
Power Supply	DC5, 1A Adaptors
Operating Temperature	-20 to +75°C
Humidity	0 to 95% RH, non-condensing
Dimensions (W x D x H)	15.5 x 53 x 16.5 (mm)

## DRAWING (mm)



## \* Power Connector PIN Layouts



## REVISION HISTORY

Date	Revision	Description
February. 2013	000	Initial release
January 2015	001	Model name change(HVE to HDVE)