

# Data Sheet

## **HD&P** Fiber Optic Video Extender

HDVE *SERIES*

### FEATURES

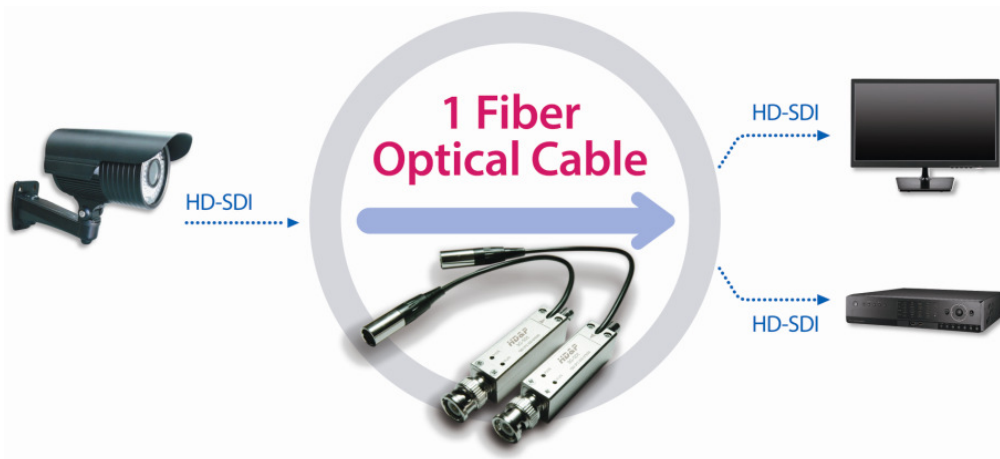
- Supports SMPTE-424M, SMPTE-292M, SMPTE-259M, and others
- Error Free SDI pathological pattern operation
- More than 30km transmission distance
- Including equalizer and cable driver
- Operation status indication LED
- HD-SDI 75ohm BNC and ST fiber optical connector
- Latch locking power connector
- 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
- Surveillance networks and CCTV security system

### TYPICAL CONFIGURATION



## Video (V)

Parameter	Specification
Signal Format	SMPTE-424M, SMPTE-292M and 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

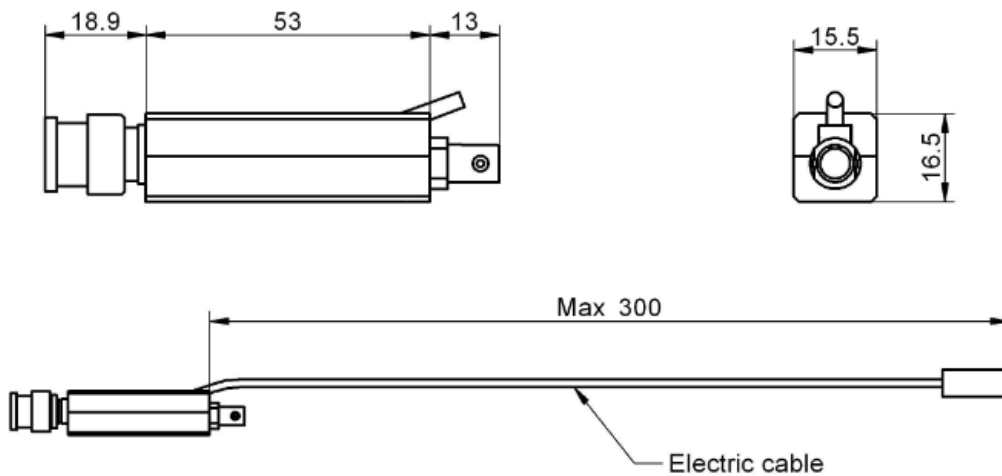
Parameter	Specification	
Wavelength	1310nm	
Transmitter	Output power	-7 ~ -3dBm
	Extinction Ratio	7dB
Receiver	Sensitivity	-22dBm
	Maximum Overload	0dBm
Distance (Typ.)	30km*	
Fiber Type	Single mode and Multimode	
Optical Connector	ST Connector	
Number of Fibers	1	

\* 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.

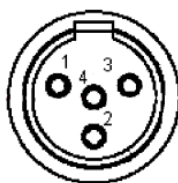
## Electrical and Mechanical

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

### DRAWING (mm)



### \* Power Connector PIN Layouts



Video Extender	
PIN No.	Description
1	GND
2	SDA
3	VCC
4	SCL



DC Adaptor	
PIN No.	Description
1	GND
2	N.C.
3	VCC
4	N.C.

### ORDERING INFORMATION

HDVE □□	
	SDI
T : Transmitter	1 : HD
R : Receiver	3 : 3G
Accessories	
H-DCA	Input : 110~220V AC, Output : DC 5V, 1A Adaptors

### REVISION HISTORY

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

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