



## Technical Specification of Sepitam -1V1D-HDSDI-T/R

### 1 Channel video HDSDI+1Return Data Rs485



#### Description:

Sepitam-1V1D-HDSDI-T/R series video optical transceiver can realize HD-SDI/SD-SDI/ASI serial digital video, long distance transmission of data. Video transmission rate up to 1485 Mbps, It is can transmit 1 forward channel HD video and 1 channel return RS485 signals. Transmitter in the electrical signal input terminal is equipped with more rate cable equalizer, built-in reduce the signal jitter of the circuit. It is a good way to deal with distortion signal. Use the lightning protection technology, suitable for outdoor occasion.

#### Feature:

- ◆ Video transmission rate up to 1485 Mbps
- ◆ Video input formats transparent transmission
- ◆ Support access 720p, 1080i, 1080p @ 30fps uncompressed HD video signals
- ◆ Equipped with automatic multi-rate cable equalizer (100M/120M)
- ◆ Support cable driver, compensating cable transmission loss
- ◆ Support pathological signal transmission
- ◆ Supports standard SNMP network management protocol, view real-time status board
- ◆ Suitable for long distance transmission of SDI signals
- ◆ With lightning protection suitable for outdoor use, anti surge voltage can be up to 4 kv
- ◆ Compact structure, easy installation, plug and play, the receiver can be on the rack
- ◆ Supports RS485, Manchester data
- ◆ Overload protection, automatic recovery



## Specifications:

video input		
physical interface	BNC connector	
Number of input ports	1	
Video Input Impedance	75Ω	
Automatic balancing	1694A Standard cable: 140m;Common 75-4 cables:80m	
input video	HD-SDI, Meet SMPTE-292M standard;	
video input level	>380mVp-p	
video output		
physical interface	BNC connector	
The output port number	1	
output video	HD-SDI, Meet SMPTE-292M standard;	
video output level	800mVp-p±10%	
Up /down time	<0.8ns	
The largest jitter	<0.2UI (270Mbps)	
data index	physical interface	Industrial plug terminal
	Baud rate	0~115.2 kbps
	probability of error	<10 <sup>-9</sup>
Optical link index	quantity of optical fibers	1
	Optical connector	FC
	optical wavelength	1310nm, 1550nm
operating environment	operating temperature	-20° C~+70° C
	storage temperature	-40° C~+85° C
	operating humidity	0~95%, non-condensing
	power supply	5V / 12VDC, Allow + / - 20% range
	power dissipation	4.5W
Mechanical Specifications	weight	1.06kg
	measurement	94mm×71mm×24mm (Excluding BNC head and install edge)
reliability	MTBF	More than 100000 hours
	anti surge	4kV
	anti-static	8kV
status indicator	LED	Power supply, video, optical link



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