

HD/SD-SDI to Fiber optic Convertor



version 01 Nov.2010

CSDI5131-T/CSDI5131-R

Features

- Support SD/ED/HD-SDI signal
- Handles pathological pattern
- SMPTE 424M, 292M, 259M, 372M and 425
- Plug-and-play
- Equalized serial digital video from 143 Mbps to 1.485 Gbps
- Reclocked serial digital video from 270 Mbps to 1.485 Gbps
- Light source wavelength 1310nm (1550nm and all eighteen CWDM wavelengths are optional)
- Long transmission capability at least 10 km,
- SFP modules offer easy product maintenance and configuration flexibility
- SFP modules are fully hot swappable, Comply with MSA.
- CLASS1 laser safety product
- Status LEDs indicate system activity and link activity.



Applications:

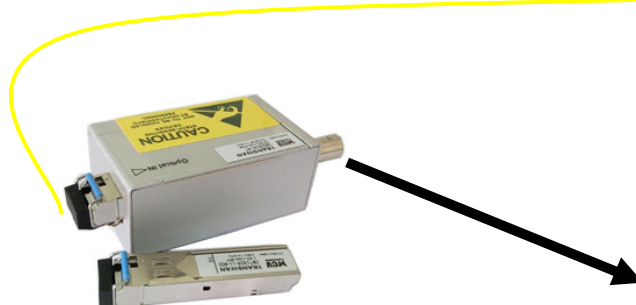
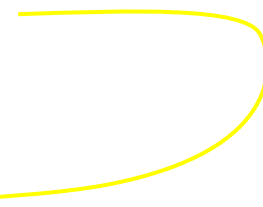
1. Pro A/V
2. broadcast
3. corporate studio



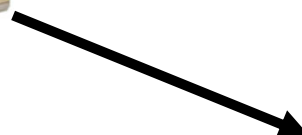
SDI source



CSDI5131-T

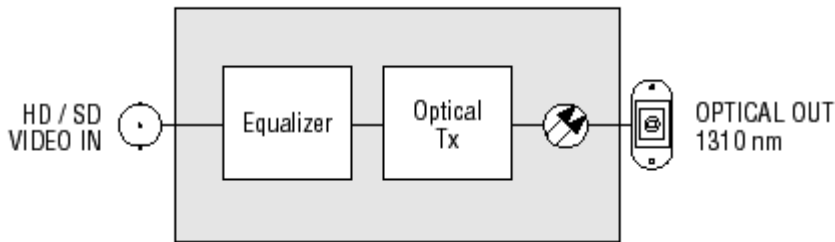


CSDI5131-R

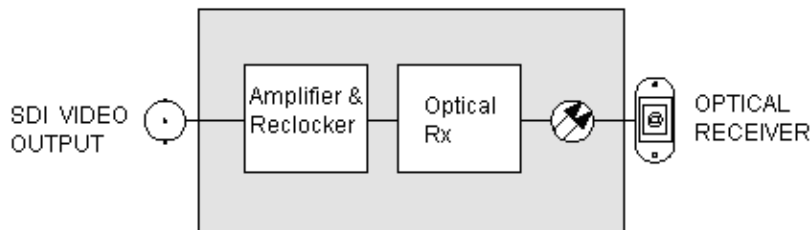


HD mornitor

Transmitter block diagram:



Receiver block diagram:



Specification

Video I/O Interface

Signal:	Support SD/ED/HD-SDI signal
Cable length:	HD: 130 m @ 1.5 Gbps/RG7 SD: 380 m @ 270 Mbps/RG7
Return loss:	>10 dB up to 2.97 GHz
Connector:	75 ohm BNC

Optical Output

Signal:	Optical Laser
Wavelength:	1310 nm (1550nm and CWDM wavelengths are optional)
Output power:	-7.0 dBm
Fiber type:	Single mode
Connector:	single optical LC/PC
Processing delay:	15 ns

Optical Input

Signal:	Optical Receiver
Wavelength:	850~1610nm
Sensitivity:	-18.0 dBm
Fiber type:	Single mode
Connector:	Single optical LC/PC
Processing delay:	15 ns

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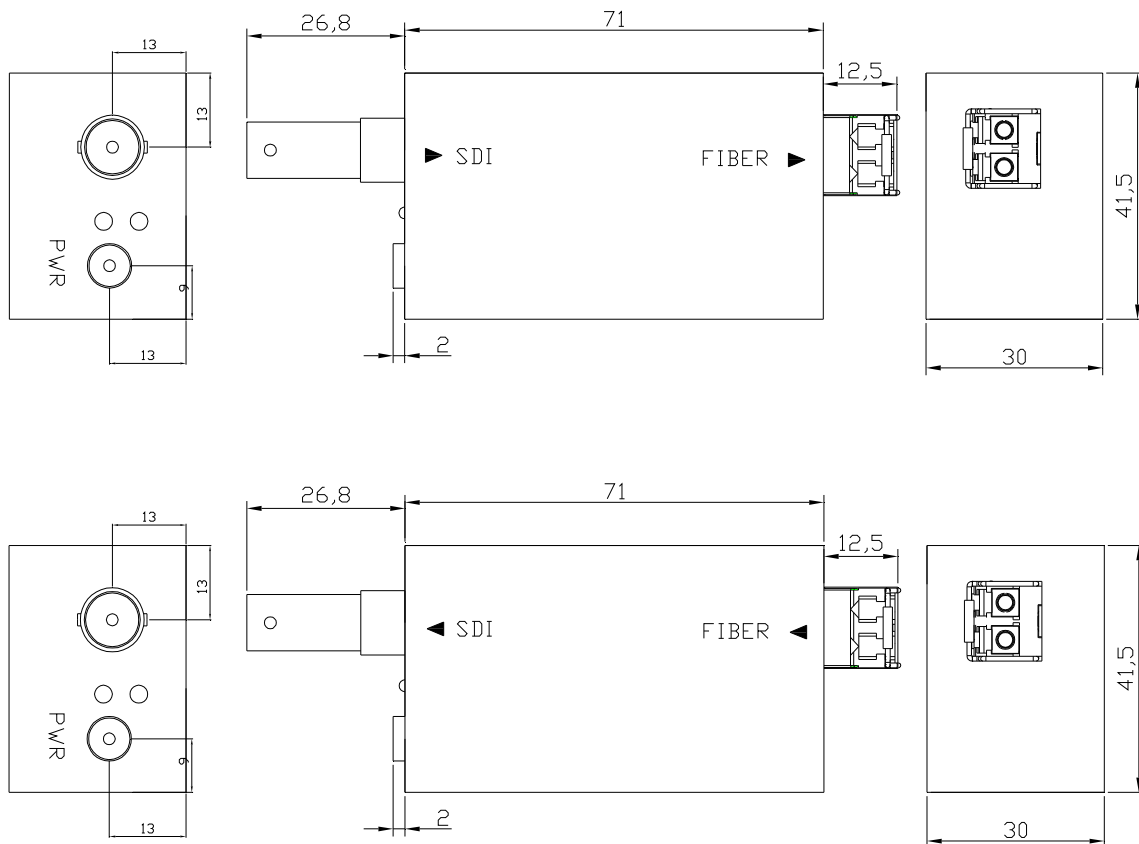
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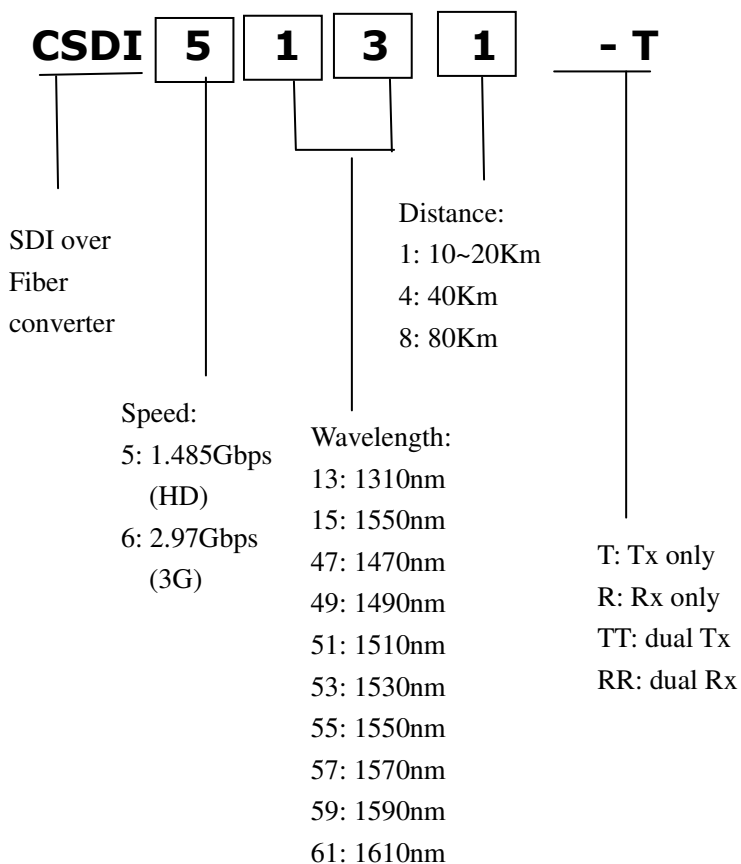
General:

- Gross Weight: 450g
- Package Size: 21.5x 16.5x 5.5 cm
- Operating voltage: 5V 2.0A 10W/ DC
- Operating Current: 300mA
- Operating temperature: -20~65°C
- Operating Humidity: 0~95%

Dimension (mm)



Ordering information:



For More Information

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