

TVIFBR HD-TVI/AHD/HD-CVI/ CVBS Fiber Extender with RS485

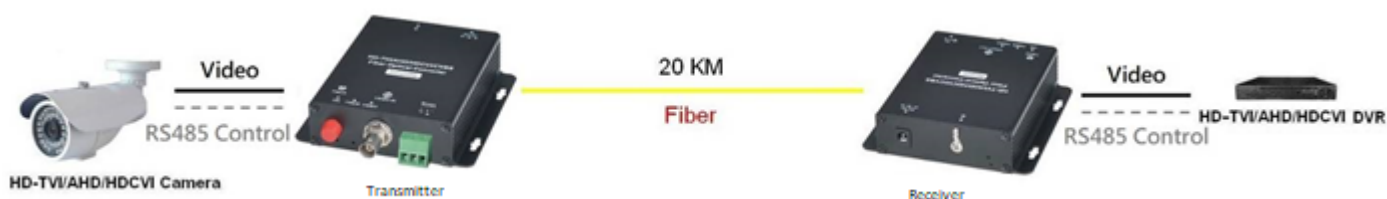


Thank you for your purchase of the **TVIFBR** fiber optical extender for analog cameras. This unit is designed to offer an affordable way to send analog cameras signals up to 12 miles! The TVIFBR is based on digital uncompressed HD composite video technologies which convert the camera signal to optical.

FEATURES

- Digital and non-compression coding technology
- Supports HD-TVI/AHD/HD-CVI/CVBS and RS485 data signal over fiber optical cable
- Single signal mode: 12.42 miles (20KM), Multiple signal mode: 1.24 miles (2KM)
- Also send up to 330' (100M) via RG59/6U cable.
- Supports resolutions up to 5MP.
- Built-in 4kV surge protection in terminal blocks.

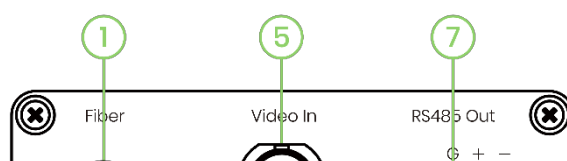
INSTALLATION VIEW



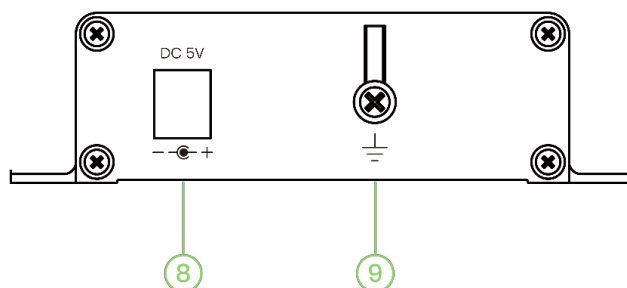
SPECIFICATIONS

	Transmitter	Receiver
Video Format	HD-TVI/AHD/HDCVI/CVBS	
Video Connector	BNC 50Mhz 75ohm	
Fiber Port	FC, single fiber, single/multimode mode	
Distance	0-12.42 miles (20KM)	
Input/output Wavelength	TX1310, RX1550nm	TX1550, RX1310nm
Input/output Level	> 500mVP-P	1Vp-p
TX Input Return Loss	> 15dB	
Input/output Impedance	75Ω	
Rx up/down time	< 0.8ns	
Rx Max. Jitter	< 0.2UI	
Video Capture Resolution	10 bits	
Baud Rate	1200-9600bps	
BER	< 10 ⁻⁹	
Operation Mode	Half Duplex	
Power	DC5V 1A (included)	DC5V 1A (included)
Power Consumption	≤5W	≤5W
Temperature	Operation: -4 to 167°F, Storage: -40 to 185°F, Humidity: up to 95%	
Weight	0.4 lbs	0.4 lbs

UNIT VIEW



No.	Interface/ Indication	Description
1	Fiber FC connector	To connect a single mode fiber cable
2	On LED	To indicate the status of power
3	Fiber LED	To Indicate the connecting status of fiber port
4	Video LED	To indicate the connecting status of BNC port
5	Video In/Out	To connect a RG59/ 6U coaxial cable
6	Data LED	To indicate the connecting status of RS485
7	Terminal Blocks	To connect a RS485 controllable device



No.	Interface/ Indication	Description
8	Power Jack	To connect a DC5V 1A power adapter
9	Grounding	To connect a wire to the earth

LED Indicators:

On: Power on

Fiber: linking

Video: input source detected

Cable & Transmission Distance :

We recommend using high quality FC Single – Mode Fiber optic cable. The transmission distance will be affected by different quality Cameras, DVRs and BNC connectors, cables, installation...etc.

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