

3G SDI Fiber Extender with HDMI Output

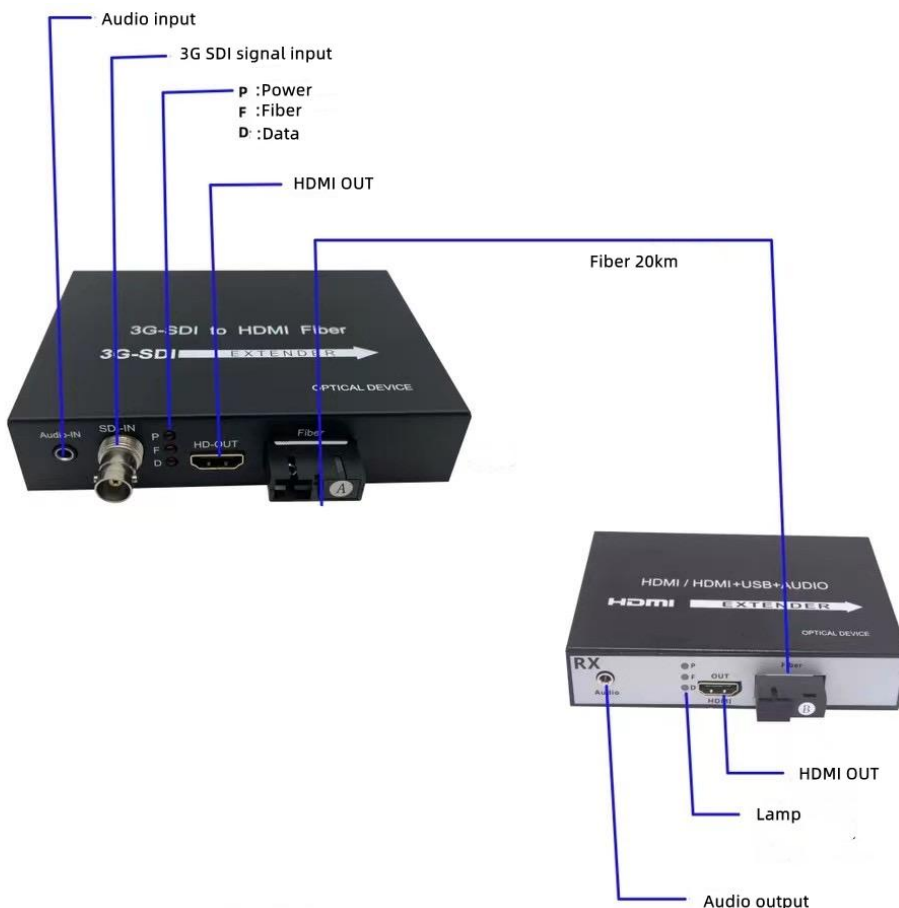
Description

ATD-3GSDI-1V1H Series 3G-SDI Fiber Extender supports 1-channel 3G-SDI Video (audio embedded) transmitted via fiber optical cable, and monitor the signal locally over a 3G-SDI loop output. 3G-SDI Video over Fiber Converters includes one transmitter with loop out and one receiver with 1Ch 3G-SDI and 1Ch HDMI Output.

Features

- Transmitter with 1Ch 3G-SDI input and loop out
- Receiver with 1Ch 3G-SDI output and 1Ch HDMI output
- Automatic reclocking 270Mbit/s - 1.48Gbit/s - 3Gbit/s
- Directly compatible with 3G-SDI camera systems
- Long transmission capability at least 10 km (6.2miles), up to 80 km
- Terminal block power input; Hot swap and hot plug
- Full digital non-compression broadcast level transmission

Product Connection Diagram



Technical Specification

Fiber Optical interface	
Fiber interface	Simplex SC
Transmission distance	550m-20Km
Wavelength	1310nm/1550nm
Video - SDI	
Video interface	BNC
Video input/output impedance	75Ω
Video input/output voltage	Typical:1Vpp, Min 0.5Vpp, Max 1.5Vpp
Video Bits Rate	Max 3.2Gb/s
Differential gain (10%~90% APL)	<1%
Video - HDMI	
Connector	Female HDMI type A
Impedance	100Ω
Resolution	Up to 1920*1080@60Hz
HDMI Cable Range	<5Meter
Electrical	
Power adaptor	DC 5V
Power consumption	<5W
LED Indicator	
PWR	Power Supply
FLK	Fiber Link
SDI	SDI Video
HMI	HDMI Video
Mechanical	
Dimensions (LxWxH)	Transmitter: 135 x 90 x 30 mm
	Receiver: 135 x 90 x 30 mm
Mounting Options	Desktop
Environmental	
Working Temperature	-20℃~+70℃
Storage Temperature	-40℃~+80℃
Working Humidity	0~95%
MTBF	≥100000 hours

Ordering Information

Model	Description
TR-3GSDI-HDMI FO	3G-SDI Fiber Extender, Transmitter with 3G-SDI input and loop out, Receiver with 1Ch 3G-SDI output and 1Ch HDMI output, SMF, SC Fiber Connector 20KM, used by pairs