

Mini-type 3G-SDI Optical Extenders

Features

- Automatic cable equalization, used for all rate below 3.2 Gb/s (Belden 1694A);
- Automatic reclocking 270Mbit/s - 1.48Gbit/s - 3Gbit/s
- Directly compatible with HD-SDI camera systems
- Long transmission capability up to 80km by 3G-SDI optical transceivers
- Hot swap and hot plug for 3G-SDI Optics;
- Handle all Pathological patterns, fully digital non-compression broadcast level transmission;
- LED Status Indication to monitor the working conditions;
- super optic dynamic range and free of adjustment;
- 1270~1610nm CWDM wavelengths optional;
- industry level ultra-broad temperature range (-20°C~+70°C), adaptable to various environments;



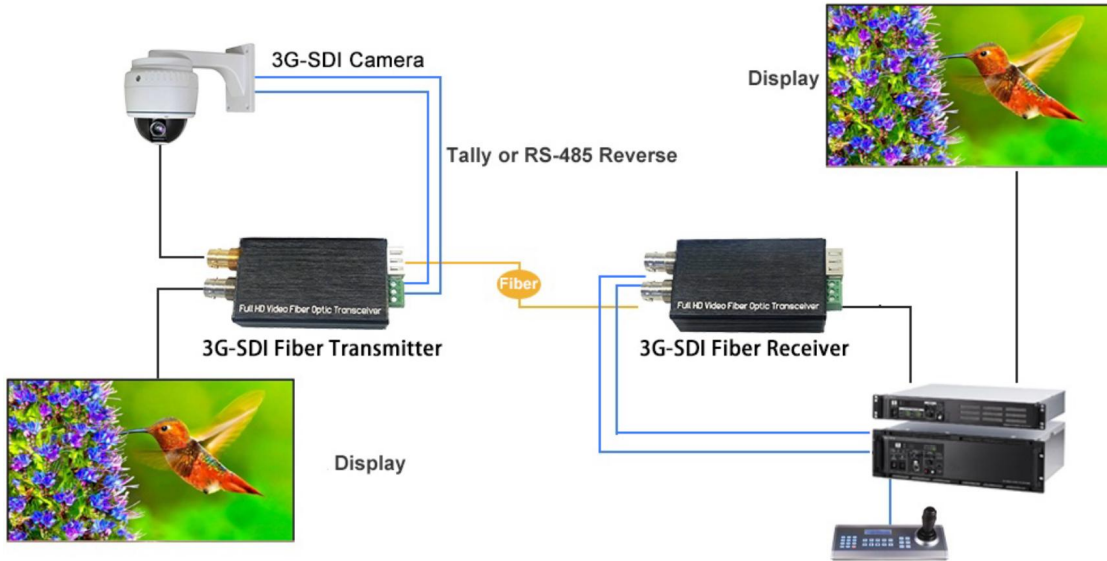
Description

Pro-optics Series Mini-type 3G/HD-SDI Fiber Converter supports 1-channel 3G/HD-SDI Video signal transmitted via fiber optical cable, and monitor the signal locally over a 3G/HD-SDI loop output. Pro-optics 3G/HD-SDI Video over Fiber Converters includes one transmitter and one receiver for 1080P 3G/HD-SDI signal.

Ordering information

Part Number	Product Description
PO3GTX	3G-SDI optical extender Transmitter and AC-DC Power adapter, without optical transceivers
PO3GRX	3G-SDI optical extender Receiver and AC-DC Power adapter, without optical transceivers

Application



Product Dimension



Product parameters

Fiber Optical interface	
Fiber interface	Simplex LC
Transmission distance	550m-80Km
Wavelength	1310nm/1550nm/CWDM
SFP Slot	3G-SDI optical transceiver
Video	
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%
SDI format support	625/25 PAL
	525/29.97 NTSC, 525/23.98 NTSC
	720p50, 720p59.94
	1080i 23/24/30/50/59.94
	1080P 23.98/24/30/50/60
Video SDI standard	270Mbps (SD-SDI), 1.485Gbps/M(HD-SDI)
	SMPTE425M3Gb/s Mapping(3G-SDI)
	SMPTE424M 3Gb/s serial interface(3G-SDI)
Electrical	
Power adaptor	DC 5~25V
Power consumption	<5W
LED Indicator	
SDI	3G-SDI video
P/T	Power Supply
Mechanical	
Dimensions (LxWxH)	80 x 40 x 20 mm
Weight	1KG/pair
Casing	Aluminum Case
Mounting Options	Desktop
Environmental	
Working Temperature	-20℃~+70℃
Storage Temperature	-40℃~+80℃
Working Humidity	0~95%
MTBF	≥100000 hours

For more information Please contact: sales@pro-optics.com