Mini Bi-directional HD/3G-SDI to Fiber Converter

Features

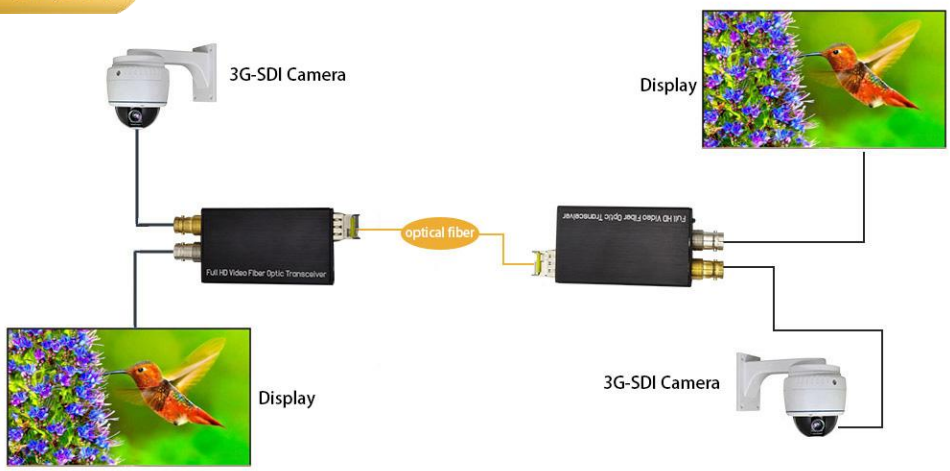
- ► Each channel includes 4-channel audio embedded;
- ► Automatic cable equalization, used for all rate below 3.2 Gb/s (Belden 1694A);
- ► Automatic reclocking 270Mbit/s - 1.48Gbit/s - 3Gbit/s
- ► Directly compatible with HD-SDI camera systems
- ► Long transmission capability up to 80 km
- ► Hot swap and hot plug;
- ► 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;
- ► Industry level ultra-broad temperature range (-20℃ ~+70℃), adaptable to various environments;



Overview

LNK-MHD(3G)-BI20 Series Mini-type 3G/HD-SDI Fiber Converter supports 1-Channel Bi-directional 3G/HD-SDI Video (audio embedded) via fiber optical cable. 3G/HD-SDI Video over Fiber Converters includes one transmitter and one receiver for 1080P 3G/HD-SDI signal. Handle all Pathological patterns, fully digital non-compression broadcast level transmission. It's widely used in security system, video conference, broadcasting and live Events etc.

Application



Technical Indexes

Fiber Optical interface	
Fiber interface	Simplex LC
Transmission distance	0-20Km (Other distance available)
Wavelength	1310nm/1550nm
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 5~12V
Power consumption	<5W
LED Indicator	
SDI	SDI video
P/T	Power Supply
Mechanical	
Dimensions (LxWxH)	80 x 40 x 20 mm
Weight	0.8KG/pair
Casing	Aluminum Case
Mounting Options	Desktop
Environmental	
Working Temperature	-20℃～+70℃
Storage Temperature	-40℃～+80℃
Working Humidity	0~95%
MTBF	≥100000 hours

Ordering Information

Model	Description
ZP-M3G-BIMM	Mini-type Bi-directional 3G-SDI to Fiber Converter, MMF, LC Fiber Connector 500 meters, including Transmitter and Receiver, used by pairs
ZP-M3G-BI20	Mini-type Bi-directional 3G-SDI to Fiber Converter, SMF, LC Fiber Connector 20KM, including Transmitter and Receiver, used by pairs