Mini HD-SDI over Fiber Extender

Features

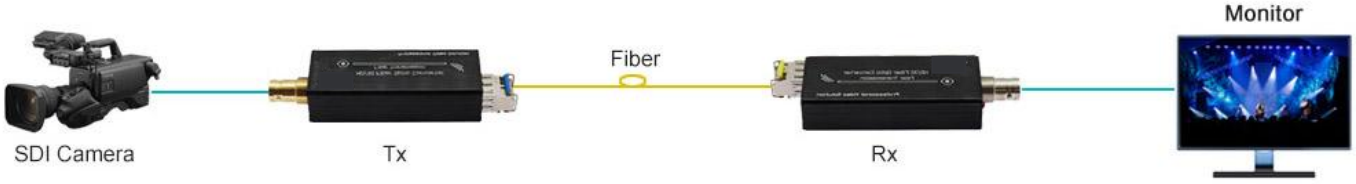
- Each channel includes 8-channel audio embedded
- Automatic cable equalization to ensure signal integrity
- Automatic reclocking 270Mbit/s - 1.48Gbit/s
- Directly compatible with HD-SDI camera systems
- Long transmission capability up to 20 km
- Terminal block power input; Hot swap and hot plug;
- Full digital non-compression broadcast level transmission;
- Super optic dynamic range and free of adjustment;
- Fiber optic WDM/CWDM/DWDM technique;
- industry level ultra-broad temperature range (-20℃ ~+70℃), adaptable to various environments;



Overview

LNK-MHD Series Mini HD-SDI Fiber Extender supports 1-channel HD-SDI Video (audio embedded) signal transmitted via fiber optical cable. HD-SDI Video over Fiber Converters includes one transmitter and one receiver for HD-SDI signal. With compact size, it can easily integrate in other devices. It's widely used in surveillance and broadcasting area.

Application



Technical Indexes

Fiber Optical interface	
Fiber interface	Simplex LC
Transmission distance	550m-20Km
Wavelength	850nm/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 1.48Gb/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
Video SDI standard	270Mbps (SD-SDI)
	1.485Gbps (HD-SDI)
Electrical	
Power adaptor	5V DC, Type-C Interface
Power consumption	<3W
LED Indicator	
SDI	SDI video
P/T	Power Supply
Mechanical	
Dimensions (LxWxH)	79 x 27 x 18 mm
Weight	0.5KG/pair
Casing	Aluminum Case
Mounting Options	Desktop
Environmental	
Working Temperature	-20℃～+70℃
Storage Temperature	-40℃～+80℃
Operating humidity	5%~90% non-condensing
Storage humidity	5% ~ 90% non-condensing
MTBF	≥100000 hours

Ordering Information

Model	Description
ZP-MHD-MM	Mini HD-SDI to Fiber Converter, MMF, LC Fiber Connector 550 meters, including Transmitter and Receiver, used by pairs
ZP-MHD-20	Mini HD-SDI to Fiber Converter, SMF, LC Fiber Connector 20KM, including Transmitter and Receiver, used by pairs