3G/HD-SDI to Fiber Converter

Features

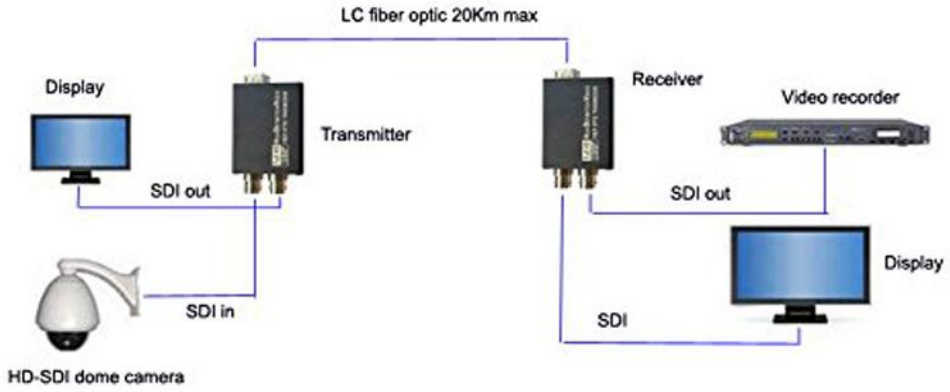
- Each channel includes 8-channel audio embedded
- Automatic cable equalization to ensure signal integrity
- Automatic re locking 270Mbit/s - 1.48Gbit/s - 3Gbit/s
- Directly compatible with HD-SDI camera systems
- Long transmission capability at least 10 km (6.2miles) , up to 80 km
- Terminal block power input; Hot swap and hot plug;
- Full digital non-compression broadcast level transmission;
- super optic dynamic range and free of adjustment;
- fiber optic WDM/CWDM/DWDM technique;
- 1000M optical fiber transmission, easy for update;
- industry level ultra-broad temperature range (-40℃ ~+85℃), adaptable to various environments;



Overview

LNK-HD-110 & LNK-3G-110 Series 3G/HD-SDI Fiber Converter supports 1-channel 3G/HD-SDI Video (audio embedded) & reversed RS422/485 data signal transmitted via fiber optical cable, and monitor the signal locally over a 3G/HD-SDI loop output. 3G/HD-SDI Video over Fiber Converters includes one transmitter and one receiver for 1080P 3G/HD-SDI signal.

Application



Technical Indexes

Fiber Optical interface	
Fiber interface	Simplex FC
Transmission distance	550m-20Km
Wavelength	1310nm/1550nm
Video	
Video interface	BNC
Video input/output impedance	75Ω
Video input/out put voltage	Typical:1Vpp, Min 0.5Vpp, Max 1.5Vpp
Video Bits Rate	Max 3.2Gb/s
Differential gain (10%～90% APL)	<1%
Video SDI standard	270Mbps(SD-SDI), 1.485Gbps/M(HD-SDI)
	SMPTE425M3Gb/s Mapping(3G-SDI)
	SMPTE424M 3Gb/s serial interface(3G-SDI)
Data	
Physical interface	Industrial standard screw terminal
Data type	RS422/RS485 Reverse Direction
Frequency/Rate support	Max. 115200bps for RS422 Max. 57600bps for RS485
BER	$<10^{-9}$
Electrical	
Power adaptor	DC 5~25V
Power consumption	<5W
LED Indicator	
P/S	Power Supply
DAT	Data
Mechanical	
Dimensions (LxWxH)	120 x 105 x 28 mm
Weight	0.43KG/pair
Casing	Aluminum Case
Mounting Options	Wall-mount
Environmental	
Working Temperature	-20℃～+70℃
Storage Temperature	-40℃～+80℃
Working Humidity	0~95%
MTBF	≥100000 hours

Ordering Information

Model	Description
ZP-HD-110-20	HD-SDI to Fiber Converter with RS422 reverse data and loop out, SMF, FC Fiber Connector 20KM, including Transmitter and Receiver, used by pairs
ZP-3G-110-20	3G-SDI to Fiber Converter with RS422 reverse data and loop out, SMF, FC Fiber Connector 20KM, including Transmitter and Receiver, used by pairs