HDSDI TO FIBER CONVERTER Specification

Mini Professional 3G HDSDI to fiber converter



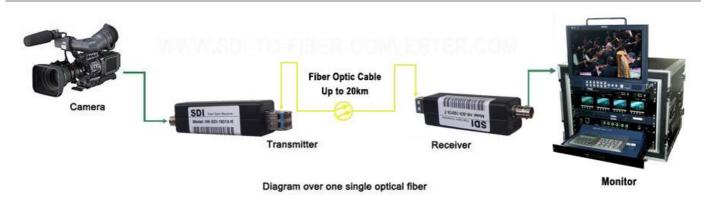
Description:

HK-SDI-1931X is designed for Professional Broadcast Digital Studios, which can be used to transmit 1 channel 3G HDSDI video with embedded audio over a simplex optic fiber, unpacked, high reliability, high performance. Support Standard Definition to SDI (270Mbps), High Definition to SDI (1.485Gbps) and 3G-SDI (2.97Gbps) Video formats. Built-in 3G-SDI Line Equalizer, Reclocker and Cable Driver, to recover its signals and Jitter and restraining functions perfectly. I Broadcast Signal Quality, according to SMPTE standard completely.

Features:

- 1) Transmit 1-ch 3G HD-SDI video and embedded audio over one fiber.
- 2) Support 270Mb/s to 2.97Gbit/s.
- 3) Broadcast Signal Quality, Compliance with SMPTE 424M, SMPTE 292M and SMPTE 259M.
- 4) Immune to pathological patterns over the entire link budget and operating temperature range.
- 5) Automatic cable EQ (Belden 1694A cable) to 100 meters at 3G HD-SDI transmission.
- 6) LED indicators.
- 7) Supports hot swapping and hot plugging.

Diagram:



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Technical Performance	ce list:					
Product Name	Mini Professional 3G HDSDI to fiber Converter					
Product Model	Transmitter: HK-SDI-1931X-T, Receiver: HK-SDI-1931-R					
Optical Fiber	Single fibers, LC connector, Compatible with multimode or single mode fiber					
Working Environment	Working Temperature: 0°C ~ +75°C; Relative Humidity: 0 ~ 95% (no cold condensation)					
Warranty	2 Years warranty					
Product:		Item No.	Dimension(mm)		NW(kg)	GW(kg)
HDSDI to fiber Conv	DSDI to fiber Converter HK-SDI-1911X-T/R		118 x 26 x 26 mm (L x W x H)		020. kg/pcs	0.90 kg/pair
3GSDI to fiber Converter		HK-SDI-1931X-T/R	118 x 26 x 26 mm (L x W x H)		020. kg/pcs	0.90 kg/pair
Packing in the box		1x Transmitter, 1x Receiver, 2x Power adapter, 2x SFP Optical Transceiver				
Video Performance:						
Video Connector:	Transmitter: 1x BNC input			Receiver: 1x BNC output		
Video Format:	 All inputs and outputs are equalized and re-clocked Immune to pathological patterns over the entire link budget and operating temperature range Broadcast Signal Quality, SMPTE 424M-2006, 292, 259 and DVB-ASI compliant Support SDSDI & HDSDI & 3GSDI, Support 270M & 1.485G & 2.97G SDI Video 					
Automatic cable:	150m@1485Mbps, 100m@2970Mbps,					
Optical Performance:						
Fiber Connector:	Transmitter: 1x LC			Receiver: 1x LC		
Fiber Format:	Single Mode					
Working Wavelength:	1310nm					
Return Loss:	> 15dB					

Electric Performance:

< 0.2UI

Power adaptor:	AC 90-260V input, DC 5V1A output		
Rated Power:	3W		
EMI/RFI:	Compliance with FCC Part 15 Class A, EU EMC		
MTBF:	> 100000 Hours		

Dimension:

Shake:

