

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 optical 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:



Technical Performance 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 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:	1) All inputs and outputs are equalized and re-clocked 2) Immune to pathological patterns over the entire link budget and operating temperature range 3) Broadcast Signal Quality, SMPTE 424M-2006, 292, 259 and DVB-ASI compliant 4) Support SDDS & 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			
Shake:	< 0.2UI			
Electric Performance:				
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:

