

Description

3C-LINK Mini 3G-SDI/12-SDI video digital optical converter adopts international advanced all-digital gigabit optical fiber transmission technology, the 3G-SDI/12-SDI video signal can be transmitted through one fiber with non-distortion, high-quality, long-distance transmission. This series of video to fiber converter has stable performance, clear picture quality, and high stability with LED status indication on the body of device. The working status of devices can be visually observed. Besides, the switch value, voltage, working status and other reverse useful signal information can be controlled by RS485 or Tally. This ensures our devices more flexible when different customers' request comes



Key Benefits

- 2 1 channel 12G-SDI Video/Data & Tally over optic fiber
- 2 Each SDI channel includes 1-channel audio embedded
- 2 SDI input/LC fiber output/SDI Loop
- 2 Automatic cable equalization to ensure signal integrity
- 2 Supports 12G / 6G / 3G / HD / SD
- 2 Compatible with DVB-ASI and AES10 (MADI)
- 2 Integrated reclock locks to SMPTE rates of 11.88Gbps, 5.94Gbps, 2.97Gbps, 1.485Gbps or divide-by-1.001 sub-rates and 270Mbps
- 2 Directly compatible with 12G/6G/3G-SDI camera systems
- 2 Long transmission capability at least 10 km, up to 40 km
- 2 Type C 5V power input
- 2 Supports hot swapping and hot plugging
- 2 Full digital non-compression broadcast level transmission
- 2 Super optic dynamic range and free of adjustment prior to use
- 2 Fiber optic WDM/CWDM/DWDM technique
- 2 15.Support HDTV 4K*2K(3840*2160@60Hz), 1080P, 1080I, 720P.

Applications

- 2 City traffic monitoring system
- 2 Public security, safe city monitoring system
- 2 Highway security protection, charging system
- 2 Building, campus monitoring net
- 2 Military monitoring (storehouse, frontier defense, guard, nation defense, etc)
- 2 Electric power, oilfield, television program transmission system
- 2 Gymnasium (live video, audio transmission)

Specifications

Fiber Information

Wavelength	1310nm wavelength *
Rate	12Gbps
Tx power	> -5db
Rx sensitivity	> -14db
Fiber connector	ST

Video Information

Standard	HDTV 4K*2K,1080P,1080I,720P
Input/Output rate	12 Gbit/s
Support resolution	3840*2160@60Hz 1080P60Hz 1080P59.94Hz 1080P30Hz 1080P25Hz 1080P24Hz 1080i60Hz 1080i50Hz 1080P50Hz 720P60Hz 720P50Hz
Alternating-current impedance	75ohms
The signal swing	800mV±10%
Physical interface	(-75 BNC connector)
Data index	
Error rate	<10 ⁻⁹
Rate	0-400Kbps
Physical interface	Phoenix terminal

Other information

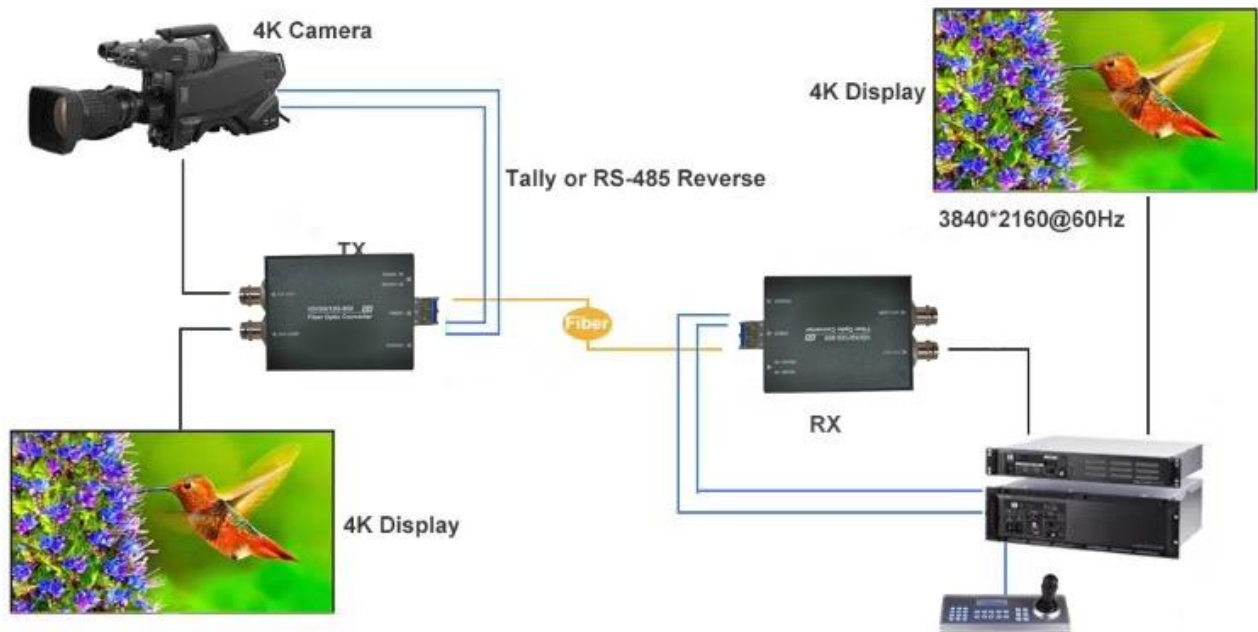
Operating temperature	-20°C ~75°C
Storage temperature	-40°C ~85°C
Power supply mode	5V
Power dissipation	<2.0W
Power physical interface	Type C 5V
Dimensions (LxWxH)	70 x 55 x 25 (mm)

Ordering Code

MODEL	SPEC
3C-SDI-M12G-T10ST:	12G SDI 4K, WITH 1310NM 20KM,ST VIDEO TRANSMITTER
3C-SDI-M12G-R10ST:	12G SDI 4K, WITH 1310NM 20KM,ST VIDEO RECEIVER



Application



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