

Mini 12G-SDI to Fiber Converter with Tally Signal or Backward RS485

Features

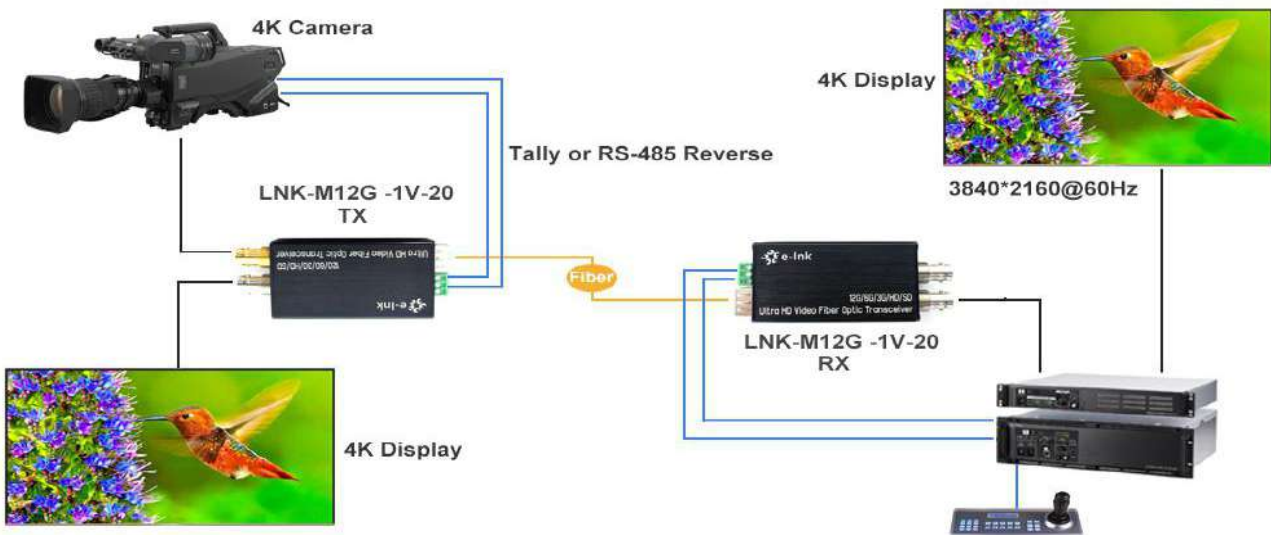
- ▶ Each SDI channel includes 8-channel audio embedded
- ▶ Automatic cable equalization to ensure signal integrity
- ▶ Supports ST-2082-1(12G), ST-2081-1(6G), ST-424(3G), ST-292(HD) and ST-259(SD)
- ▶ Integrated Clocker Locks to SMPTE Rates of 11.88Gbps, 5.94Gbps, 2.97Gbps, 1.485Gbps or Divide-by-1.001 Subrates and 270 M bps
- ▶ Directly compatible with 12G/6G/3G-SDI camera systems
- ▶ Long transmission capability at least 10 km (6.2miles) , up to 80 km
- ▶ Terminal block power input for industrial application
- ▶ Supports hot swapping and hot plugging
- ▶ Full digital non-compression broadcast level transmission;
- ▶ super optic dynamic range and free of adjustment;
- ▶ fiber optic WDM/CWDM/DWDM technique;
- ▶ Supports 4K*2K(3840*2160@60Hz), 1080P, 1080I, 720P.



Overview

LNK-M12G-1V Series Mini-type 12G-SDI Fiber Converter supports 1-channel 12G Video (audio embedded) & Tally signal(or Backward RS485) transmitted via fiber optical cable, and monitor the signal locally over a 12G loop output. E-link 12G Video over Fiber Converters includes one transmitter and one receiver for HDTV 4K*2K(3840*2160@60Hz), 1080P, 1080I, 720P.

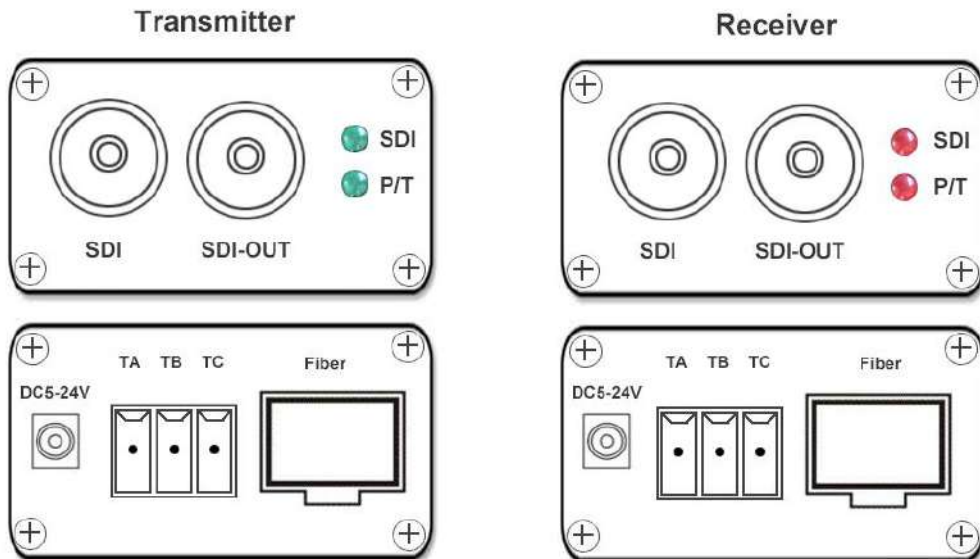
Application



Technical Indexes

Formats	Supports ST-2082-1(12G), ST-2081-1(6G), ST-424(3G), ST-292(HD) And ST-259(SD)
Compatible	Compatible With D VB-ASI and AES10 (MADI)
Input	1 x 12G-SDI on BNC
Output	1 x LC optical fiber
	1 x 12G-SDI loop-out on BNC
Supported Resolution	HDTV 4K*2K, 1080P, 1080I, 720P
Resolution range	3840*2160@60Hz
Input cable specification	≤70m@12G SDI Belden 1694A
Output cable specification	≤70m@12G SDI Belden 1694A
Data type	Backward Tally (optional)
Data type	Backward RS485 (optional)
Optical transmission bandwidth	270MHz~12GHz
Power	5-15 VDC
Power Consumption	2 W (Max.)
Dimensions (LxWxH)	80 x 40 x 20 (mm)
Storage Temperature	-40℃~80℃
Operating Temperature	-40℃~85℃

Panel



TALLY Connection:

Transmitter TALLY Signal Output Connection: (Can drive the LED indicator directly)

	TA	TB	TC
LED Type	LED -	LED +	LED- (TA reverse output)

Receiver TALLY Signal Input Connection: (LED load type is only suitable for OC derive LED - driver)

	TA	TB	TC
LED Load Type		LED -	LED +
Switching Value type	Com	NC/NO	

RS485 Connection:

Transmitter RS485 Signal Output Connection

	TA	TB	TC
RS485	A	B	

Receiver RS485 Signal Input Connection

	TA	TB	TC
RS485	A	B	GND

Ordering Information

Model	Description
LNK-M12G-1V1T-20	Mini-type 12G-SDI to Fiber Converter with Tally and loop out, SMF, LC Fiber Connector 20KM, including Transmitter and Receiver, used by pairs
LNK-M12G-1V1R-20	Mini-type 12G-SDI to Fiber Converter with Reverse RS485 and loop out, SMF, LC Fiber Connector 20KM, including Transmitter and Receiver, used by pairs