Mini 12G-SDI to Fiber Converter with Tally and RS485

Features

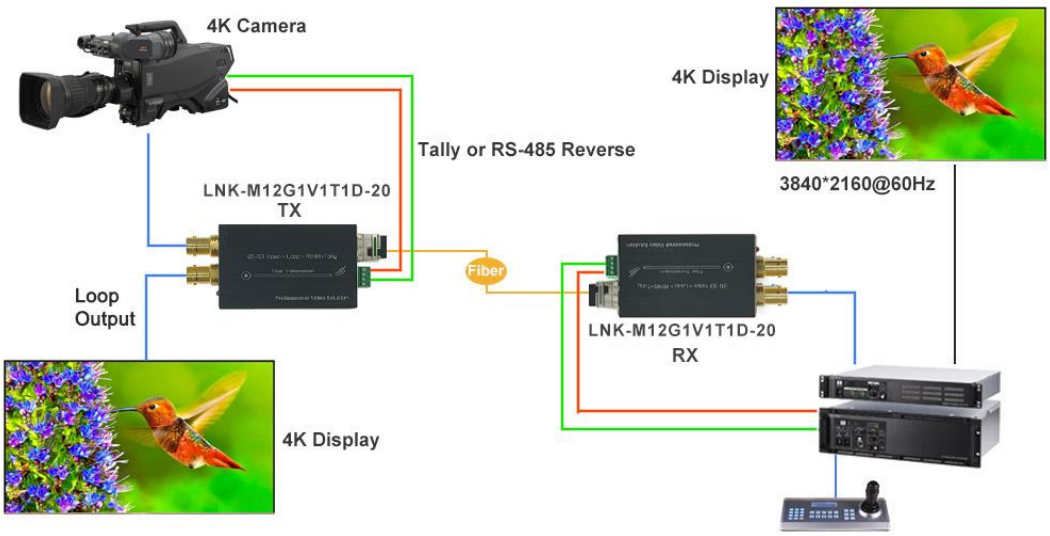
- Each SDI channel includes 8-channel audio embedded
- Automatic cable equalization to ensure signal integrity
- Supports ST-2082-1(12G), ST-2081-1(6G), ST-424(3G), ST-292(HD) and ST-259(SD)
- Integrated Reclocker Locks to SMPTE Rates of 11.88Gbps, 5.94Gbps, 2.97Gbps, 1.485Gbps or Divide-by-1.001 Subrates and 270 Mbps
- Directly compatible with 12G/6G/3G-SDI camera systems
- Long transmission capability at least 10 km (6.2miles), up to 80 km
- Supports Tally and Backward RS485
- 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-1V1T1D Series Mini-type 12G-SDI Fiber Converter supports 1Ch 12G Video (audio embedded), 1Ch Tally signal and 1Ch Backward RS485 transmitted via fiber optical cable, and monitor the signal locally over a 12G loop output. 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 DVB-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
Data type	Backward RS485
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℃

Ordering Information

Model	Description
ZP-M12G-1V1T1D-20	Mini-type 12G-SDI to Fiber Converter with Tally, Reverse RS485 and loop out, SMF, LC Fiber Connector 20KM, including Transmitter and Receiver, used by pairs