

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

Features

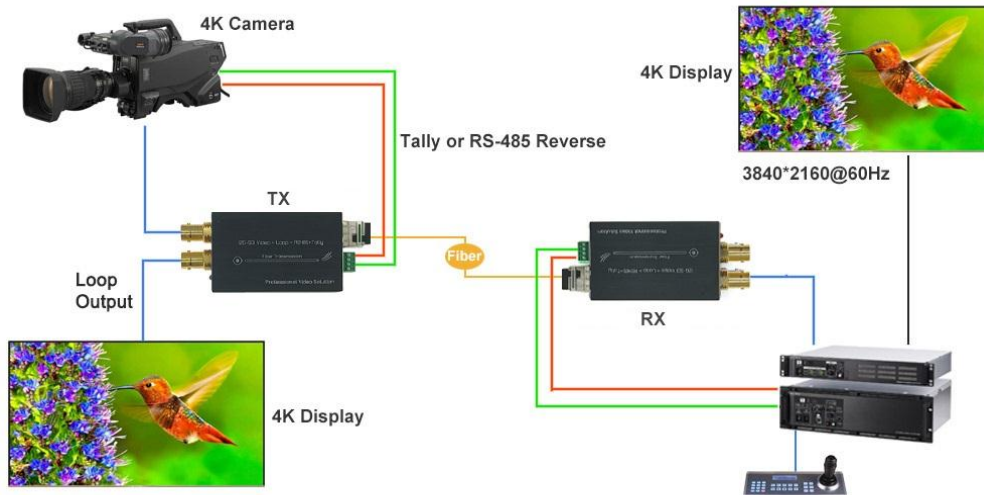
- ▶ Each SDI channel includes 8-channel audio embedded
- ▶ Automatic cable equalization to ensure signal integrity
- ▶ Supports **ST-2082-1(12G)**, **ST-2081-1(6G)**, ST-424(3G), ST-292(HD) and ST-259(SD)
- ▶ Integrated Reclocker Locks to SMPTE Rates of **11.88Gbps**, **5.94Gbps**, **2.97Gbps**, **1.485Gbps** 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

BD-12G-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. 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 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
BD-12G-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