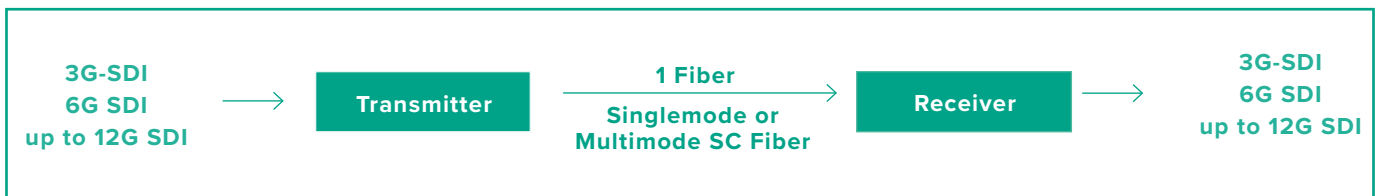


Mini Fiber Optic 12G SDI Video Transmission System

1-SMF-ST or 1-MMF-ST

Mini-12GSDI-T-S-ST / Mini-12GSDI-R-S-ST (Singlemode)

Mini-12GSDI-T-M-ST Mini-12GSDI-R-M-ST (Multimode)



OVERVIEW

The Mini-12G SDI System is a miniature, Fiber Optic 12G SDI Digital Video Transport System, that extends 12G-SDI video over singlemode or multimode fiber. No user adjustments are required in the Mini-12G SDI system to enable quick deployment and trouble-free operations. The power connector has a latch-locking mechanism, to ensure your power connector is always secure. Panel connectors are provided for digital video (BNC connector) and fiber connection (ST-type for the singlemode and multimode version).

FEATURES

- Extend 12G-SDI video over singlemode fiber (up to 10.0 Km) or multimode fiber up to 200m)
- Reliable Transmission Over Multimode or Singlemode Fiber
- Packaged in a compact, lightweight form factor
- Compliant with SMPTE 2082-1 addressing SDI video rate from 1.5Gbps to 12Gbps
- Supports re-clocking for highest video quality
- LED indicators for power, signal presence and Rx optical power levels

VIDEO SPECIFICATIONS

Video Signal	3G-SDI, 6G-SDI or up to 12G-SDI
Input Level	800mV (peak to peak)
Input Impedance	75 Ohms
Coax Equalization	70m @ 1.485 Gbps (Belden 1694A) 70m @ 2.97 Gbps (Belden 1694A) 50m @ 5.94 Gbps (Belden 4794R) 20m @ 11.88 Gbps (Belden 4794R)
Output Impedance	75 Ohms
Bit-Error Range@-12dBm	10 ⁻¹¹ @12G
Jitter	<22 ps @12G (pathological data pattern)
Rise/Fall Times	<34 ps @12G
Video Connector	BNC

TRANSMISSION

Operating Wavelength	1310nm DFB
Optical Connector	ST
Transmitter Output	0 to +3dBm
Receiver Sensitivity	<-12dBm @12G
Fiber Type	9/125 μm-SMF/ 50/125 μm-MMF

* Actual distance may vary. The maximum coverage may be greater or smaller than these typical numbers depending on fiber type, fiber bandwidth, connector splicing losses, chromatic dispersion, environmental factors, etc.

PHYSICAL

Dimensions (LxWxH)	3.2" x 0.65" x 0.75"
Input Voltage	5~16V DC
Power Connector	Mini-XLR 4 PIN
Power Consumption (Typical)	1.5W (each end)
LED Indicators	Power, signal link, optical power
Operating Temperature	0°C to +40°C
Humidity	0 to 95% RH, Non-Condensing

CERTIFICATIONS

CE, UL (Power Supply)

GREEN COMPLIANCE

RoHS

ORDER INFORMATION

Mini-12GSDI-T-S-ST	Mini Fiber Optic 12G SDI Video Transmitter- SMF ST, 1-Fiber up to 10Km
Mini-12GSDI-R-S-ST	Mini Fiber Optic 12G SDI Video Receiver- SMF ST, 1-Fiber
Mini-12GSDI-T-M-ST	Mini Fiber Optic 12G SDI Video Transmitter- MMF ST, 1-Fiber up to 200m
Mini-12GSDI-R-M-ST	Mini Fiber Optic 12G SDI Video Receiver- MMF ST, 1-Fiber

PANEL DRAWING

