

Pyro | AV

SDI2FBR Tx

HD-SDI to Fiber Optical Transmitter

- > Supports 2 simultaneous SDI signals each up to 1080P 60 (3 Gb/sec.)
- > Dual Channel Optical Transmitter (SMPTE 297M-2006) supports data rates from 50 Mb/sec. to 3 Gb/sec.
- > Robust error free transmissions for distances up to 30 Km (18.6 miles) over single mode fiber
- > Hot-Pluggable and Hot-Swappable Optical module

The SDI2FBR to Optical Transmitter (PVC-970) overcomes the distance limitations of transmitting video over coaxial or Ethernet cable allowing for broadcast quality video to be distributed over long distances while retaining pristine quality. The PVC-970 when coupled with the PVC-975 FBR2SDI Receiver provides a very cost effective method of distributing uncompressed 1080p 60 video streams over long distances.

The HD-SDI2FBR to Fiber Optic Transmitter is a dual channel device supporting two independent and simultaneous video streams supporting data rates from 50 Mb/sec. to 3 Gb/sec. for each video stream making the PVC-970 a very cost effective solution.

The HD-SDI2FBR to Fiber Optic Transmitter (PVC-970) provides two independent SDI inputs on 75 Ohm BNC connectors. The PVC-970 includes dual cable equalizers designed to restore signals received over 75 Ohm co-axial cable and is optimized for performance at 1.485 Gb/sec. and 2.97 Gb/sec. and supports SMPTE 424M, 292M and 259M standards. The PVC-970 also includes dual Multi-Rate digital re-clockers which recover the embedded clock and re-time the incoming video data from a SMPTE 424M, 292M or 259M-C compliant video signal.

The HD-SDI2FBR to Optical Transmitter provides robust conversion from electrical to optical interface allowing the transmission of two simultaneous video streams to be sent over very long distances when coupled with the PVC-975 FBR2SDI Optical to HD-SDI Receiver or other compatible receivers.

The combination of the transmitter and receiver devices creates an end to end solution which allows for efficient high quality movement of video streams over long distances. This is the perfect solution for outdoor sporting events, concerts and large buildings or connecting between buildings on a large campus.



Technical Specs:

Input :

2 each 75 Ohm BNC connectors
Support for 2 separate video sources
SMPTE 424M, 292M and 259M compliant
Multi-standard operation from 50Mb/s to 2.97Gb/s
Performance optimized for 1.485Gb/s and 2.97Gb/s
Typical equalized length of Belden 1694A cable: 120m at 2.97Gb/s, 200m at 1.485Gb/s, and 350m at 270Mb/s
Automatic cable equalization
Multi-Rate re-clocker

Optical Transmitter:

Hot-Pluggable and Hot-Swappable Optical Module
Two independent laser disable pins
SMPTE 297-2006 Compliant
Single mode transmission
Supports video Pathological patterns for SD-SDI, HD-SDI and 3G-SDI
Low power consumption — typically 670mW
LC Type Connectors

Power:

5VDC Locking Power Supply

Part Number.

PVC-970

UPC.

7-57887-97000-0

Box Dimensions.

10.5"W x 8.75"H x 3.25"D

FIBER OPTIC CABLE

(not included)

