



The multifunctional 4CH HD-SDI To Fiber converter also named as 4CH SDI fiber multiplexer or 4port sdi fiber optic extender, which consists of 1 piece of SDI fiber transmitter and 1 piece of SDI receiver. It transmits 4CH Unidirectional 3G/HDSI signals (also compatible ASI, and each SDI signal includes 1 embedded audio signal) and 1ch bidirectional analog audio, 1ch 10/100M ethernet, 1ch bidirectional RS485/ RS232 to a long distance over one fiber. It's a popular product widely used in TV live broadcast, high-definition video conferencing, video surveillance and other fields.

FEATURES

- 1, Compatible with SMPTE-424M, SMPTE344M, SMPTE-292MHD-SDI and SMPTE-259M SD-SDI standard signals, supporting 1485Mb/s and 270Mb/s, 2.97Gbps rate
- 2, support 1ch 10/100M ethernet with RJ45 interface and 1ch bidirectional/ unidirectional RS485/ RS232 with Phoenix terminal interface, up to 115.2Kb/s baud rate
- 3, Support 1080P@30, 25, 24, 1080I@60, 50, 720P@60, 50, 30, 25, and other video formats.
- 4, Input with cable equalization function to compensate for cable transmission loss
- 5, Built-in ESD and surge protection circuit to prevent static electricity and lightning damage
- 6, Provide optical disappearance alarm, remote power failure alarm, output signal status indication, and input signal lock status indication
- 7, **Stand-alone type or card-type installed in 19" 4U rack-mount chassis.**

DESCRIPTION

The SDI video to fiber converter is an ideal and economic solution for broadcast or surveillance applications. It receives HD-SDI, RS485/ RS232 and ethernet signals electrically input, perfectly converts them to single mode optical signals. The SDI series fiber video converter are typically used in applications where the cameras have P/T/Z capabilities. Plug and Play design ensures the ease of installation and operation. Electronic and optical adjustments are never required. LED indicators are provided for instantly monitoring system status. Devices are available for either standalone or rack-mount installation, which is suitable for different working environment.

SPECIFICATION

Optical:

Wavelength	1310nm, 1550nm
Serial digital video input/output voltage	Typical Max value 800mVp-p, 600~1000mVp-p
Fiber Type	50/125u multimode, 62.5/125u multimode, 9/125u single mode, single fiber or dual fibers
Video Signal Return loss	≤-15dB@5MHz~1.5GHz, -10dB@1.5GHz~3GHz

4ch multifunctional /HD-SDI To Fiber Converter

Product Data sheet

VER0.1/0320-03-2012

Optical connector	SC、FC
Distance	0~500M (MM) / 0~100KM (SM,selectable)

Data:

Data protocol	Unidirectional or Bidirectional RS485 or RS422 or RS232,selectable
Data rate	0~115.2 Kbps
Error rate	< 10 ⁻⁹
Connector	Industrial standard terminal block (also can be configured with interfaces such as DB9/DB25)

Ethernet

Work mode	Full duplex/half duplex
Data Rate	10/100Mbps(AUTO)
connection terminal	RJ45

Video:

SDI Input	
Signal Type SDI	MPTE259M、292M、344M、424M
Data Rates	143Mbit/s – 2.97Gbit/s
Cable Equalization	≤140meters of Belden 1694A at 1.485Gbps ≤400meters of Belden 1694A at270Gbps
Connector	BNC 75 Ohm

General:

Input Power	5 V DC
Power consumption (maximum)	5W
Operating temperature	0°C to 55°C
Storage temperature	-20°C to 70°C
Operating humidity	0 ~ 95% (non-condensing)
Dimension For The Converter(TX&RX)	173x150x32MM
Dimension For The Package of 1 Pair	320x247x61MM
Net Weight	1.75KG
Gross Weight	2KG
Case material	Aluminum

Dimension:

