

HD-SDI Fiber Optic Video Solutions



SPECIFICATIONS

VIDEO(V)

Data Rate	Up to 3Gbps
Signal Format	SMPTE-424M 3G-SDI SMPTE-292M HD-SDI SMPTE-259M SD-SDI And many others
Signal Level	800 mVp-p ± 50 mV
Connector	75Ω BNC

DATA(D)

Data Rate	DC to 115.2kbps
Data Interface	RS232, 422, 485
Switch	Form 1A(SPST, Normally Open)
Connector	Terminal Block

AUDIO(A)

Number of Channel	2 Channel (Stereo)
Bandwidth	20Hz to 20kHz
Signal to noise ratio	> 80dB
Connector	Terminal Block

OPTICAL

Fiber Type	Single mode or Multimode
Number of Fibers	1
Connector	ST Connector
Distance (Typ.)*	30km(SMF) / 2km(MMF)

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

ELECTRICAL AND MECHANICAL

Operating Temperature	-20 to +75 °C
Humidity	0 to 95% RH, non-condensing



FEATURES

- Uncompressed HD-SDI video over fiber
- Supports SMPTE 424M, 292M, 259M and digital video signal
- Error Free SDI pathological pattern operation
- More than 30km transmission distance using single-mode fiber
- Supports RS232, 422, 485 serial data communication
- Including an equalizer and a cable driver
- Operation status indicating LED
- HD-SDI 75ohm BNC and ST fiber optical connector
- Stand alone or rack-mount package
- RoHS compliant

APPLICATIONS

- Remote HD-SDI Video transmission
- SMPTE standard compatible optical to electrical or electrical to optical interface
- Surveillance networks and CCTV security system