



1CH 3G SDI



8CH 3G SDI

Features:

- 1 channel video transmission of digital video signal over optic fiber
- Handles pathological pattern
- Automatic cable equalization to ensure signal integrity
- Automatic reclocking 270Mbit/s - 1.48Gbit/s - 3Gbit/s
- Support signal type: 270Mbit/s to 3Gbit/s according to SMPTE 424M, SMPTE 292M and SMPTE 259M standards
- Long transmission capability at least 10 km(6.2 miles) , up to 80 km(optional)
- Terminal block power input for industrial application
- Supports hot swapping and hot plugging
- Simplex LC/PC single mode optical connection
- 3G-HD-SDI TO FIBER CONVERTER typical applications:
 - Supports broadcast television signals, ASI stream code signal transmission. Animals, filming;
 - Live on optical fiber transmission;
 - TV remote studio;
 - The military and public security command and control

3G-SDI To Fiber Extender is an ideal and economic solution for broadcasting or surveillance applications. It receives 1CH-8CH 3G-HD-SDI electrical input, perfectly converts electrical 3G-SDI signal to single mode optic SDI signal. It supports transmission image of SDTV (143-540Mbps), HDTV (1.485Gbps) and HDTV (3Gbps, 1080p60).

Both transmitter and receiver provide equalizing and reclocking at input unit in order to re-construct the signal for consistent quality. Besides, with Beyondopto advanced fiber technology, VSDI can easily pass pathological pattern to prove its complete transmission.

3G-SDI optical transceiver, dedicated security 3G-SDI monitor, high-definition conference system, support 1080 p (25 hz, 30 hz, 50hz, 60hz) / 1080 I / 720P .



CRED 3G SDI optical transceiver product customer development use for radio, film and television industry, the earliest application in the television studio, the universiade on live radio, and later extended to 3G-SDI monitoring field.

◆ Optical :

Wavelength	1310nm&1470nm~1610nm
Output Power	-9~-3dBm / -3~+2dBm
Optic fiber	50/125u multimode, 62.5/125u multimode, 9/125u single mode
Rx sensitivity	-18dBm
Optical connector	LC/PC (optional)
Distance	0~500M (MM) / 0~80KM (SM)

◆ Video:

SDI Input	
Signal Type SDI	SMPTE 424M, SMPTE 292M, SMPTE 259M
Data Rates	270Mbit/s - 1.48Gbit/s - 3Gbit/s
Cable Equalization	Automatic cable EQ (Belden 1694A cable) 250m @ 270Mbit/s, 140m @ 1.5Gbit/s, 80m @ 3Gbit/s
Connector	BNC 75 Ohm
Number of transmitter channel	1-8CH
Number of transmitter Loopout	1
Number of receiver output	1-8CH
General :	
Input Power	5 V DC or 12 V DC
Power consumption (maximum)	Transmitter: 1.8W Receiver: 1.5W
Operating temperature	0°C to 55°C
Storage temperature	-10°C to 70°C
Operating humidity	0 ~ 95% (non-condensing)
Case material	Aluminum

	1CH 3G SDI Fiber Converter, SM, single fiber, 3Gbps, 20km
	8CH 3G SDI Fiber Converter, SM, single fiber, 3Gbps, 20km