



8-Channel 3G-SDI Fiber Converter (with RS485 & Tally)



Features

- ▶ 8-channel 3G-SDI video transmission over optical fiber
- ▶ Automatic cable equalization to ensure signal integrity
- ▶ Automatic reclocking: 270Mbit/s / 1.48Gbit/s / 3Gbit/s
- ▶ Compatible with 3G-SDI cameras, supports reverse RS485 or Gigabit Ethernet
- ▶ Transmission distance up to 20km
- ▶ Supports hot swapping & hot plugging
- ▶ Full digital non-compression broadcast-level transmission
- ▶ Super optical dynamic range, plug-and-play, no adjustment needed
- ▶ WDM/CWDM/DWDM fiber technology supported
- ▶ Real-time LED indicators for system monitoring
- ▶ Industrial wide temperature design for harsh environments

Product Description

This is a 1U rack-mount 3G-SDI fiber converter that transmits 8-channel 3G-SDI HD video over single fiber with local loop-out monitoring. It can transmit 8-ch 3G-SDI video + 1-ch reverse RS485 or 1-ch Gigabit Ethernet simultaneously.



Product Specification

Fiber	
Fiber Interface	LC / FC / ST / SC
Transmission Distance	20km
Video	
Video Interface	BNC
Input/Output Impedance	75Ω
Video Level	0.5–1.5Vpp (Typical 1Vpp)
Max Video Bit Rate	3.2Gb/s
Differential Gain	<1%
Supported Format	PAL, NTSC, 720p, 1080i, 1080P up to 60Hz
Supported Standard	SD-SDI / HD-SDI / 3G-SDI (SMPTE 424M, 425M)
Data (Optional)	
Interface	Terminal Block
Type	Reverse RS485
Max Baud Rate	57600bps
BER	<10 ⁻⁹
Ethernet (Optional)	
Connector	RJ45
Speed	10/100/1000M
Electrical	
Power	AC 110–220V
Power Consumption	<15W
LED	PWR, SDI A–H
Mechanical	
Dimensions	483(L)×220(W)×44.45(H) mm (19inch 1U)
Weight	7kg/pair
Housing	Aluminum Case
Mount	Rack-mount



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Environmental	
Operating Temp	-20°C ~ +70°C
Storage Temp	-40°C ~ +80°C
Humidity	0–95% non-condensing
MTBF	≥100000 hours