

3G-SDI Fiber Extender

Model No: FLS88PSA

Description

Beijing Fiber Linker Communication Co., Ltd has been in video audio transmission system solution for almost 10 years. Our SDI fiber optic extender has been widely used in our domestic and overseas for broadcast TV transmission system. We could do SDI extender over fiber by CWDM, DWDM and TDM uncompressed solution with data, external audio Ethernet, tally and other functions. The fiber connectors could be ST, FC, SC, LC, SMPTE, LEMO type. We welcome any OEM request for SDI over fiber series.

Features

1. 8-ch forward 3G-SDI and 8-ch reverse 3G-SDI
2. Support two separate Gigabit Ethernet
3. Support 8 forward and 8 reverse analog line audio
4. Compatible with HD-SDI, SD-SDI, ASI
5. Bandwidth range from 19.4Mb/s to 2.97Gb/s
6. SMPTE 424M (2.97Gb/s) clock recovery
7. SMPTE 292M, 259M, 296M, 297M, 372M, 424M, 425M
8. Support automatic cable equalization based on the data rate detected
9. LED status indicators monitor the critical parameters
10. SMPTE304M/SMPTE311M FXW and EDW connector
11. Support remote power supply from EDW to FXW end
12. Support OEM configuration according to real needs
13. Optional CWDM or DWDM solution



Welcome any OEM SDI Fiber Box

Order Info

Model Number	Specification
FLS88PSA	8-ch bidirectional 3G-SDI, 8-ch bidirectional analog balance XLR audio, 2-ch Separate Gigabit Ethernet, SMPTE connector, 2.5U rack mount

Application

Remote OB Van/Truck Video Feeds, Broadcast Studio Camera Feeds, TV station/video conference, broadcast live transmission, Medical/Surgical Room Broadcast, Building to Building video conference, video wall controller, commend center.

Specification

SDI Input	Number	8 input on TX box, 8 output on RX box
	TV signal standard	SMPTE ST 424, SMPTE ST 425, SMPTE ST 292, SMPTE ST 259, DVB-ASI
	Reflection loss	>15DB
	Equilibrium	0-100m @ 2.97Gb/s
	Connector	75Ω BNC
SDI Output	Number	8 input on TX box, 8 output on RX box
	Signal level	800mV nominal
	Rise/fall time	200Ps nominal
	Overshoot	<10% amplitude
	Reflection loss	> 15dB
	Jitter	< 0.2UI
	Connector	75Ω BNC
Ethernet	RJ45 Connector	2-ch separate 1000M bandwidth
Audio	XLR connector	8-ch bidirectional analog balance audio
Fiber Optic	Connector	3K.93C FXW and EDW
	Type/Distance	800meter with SMPTE hybrid fiber cable
	Wavelength	CWDM
	Pure Fiber Distance	20KM
	Output Power	About +5 dB to +1dB
	Fiber Loss	8 dB for 20KM
Power and Environmental	Operating temperature	-40°C ~ +45°C
	Power Supply	110 to 245VAC and remote power supply(FXW to EDW box)
	Power Consumption	About 12W
	EMI/RFI	FCC Part 15 Class A, EU EMC standard
	MTBF	>100000 hours
Other	Size	2.5U rack mount
	Weight	8Kg /pcs

Diagram

