

3G-SDI Fiber Optic Extender

Model No: FLS88G

Description

Beijing Fiber Linker 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 bidirectional 3G-SDI/ASI video with embedded audio
2. 6-ch unidirectional Genlock SYNC with loop
3. Compatible with HD-SDI, SD-SDI, DVB-ASI
4. Bandwidth range from 19.4Mb/s to 2.97Gb/s
5. SMPTE 424M (2.97Gb/s) clock recovery
6. support all popular standards for digital video transport such as SMPTE 424M, SMPTE 292M, and SMPTE 259M, SMPTE 297M working at 3G-SDI, HD-SDI, SD-SDI, ASI respectively
7. Built-in CWDM system, SFP modules for each path
8. Support automatic cable equalization based on the data rate detected
9. LED status indicators monitor the critical parameters
10. We could make it as your requested specifications



Order Info

Model Number	Specification
FLS88G	8-Ch bidirectional 3G-SDI/ASI with embedded audio, 6-ch unidirectional SYNC(tri-level and BB), single mode, dual LC ports, 2U rack mount, 20KM

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 and 8 input on RX
	TV signal standard	SMPTE 424M, 292M, 259M, 297M, 305M, 310M, M2S, DVB-ASI, DVB-SSI and other Telecom/Datacom rate (19.4Mb/s – 2.97Gb/s)
	Reflection loss	>15DB
	Equilibrium	0-100m @ 2.97Gb/s
	Connector	75Ω BNC
SDI Output	Number	8 output on TX and 8 output on RX
	Signal level	800mV nominal
	Rise/fall time	200Ps nominal
	Overshoot	<10% amplitude
	Reflection loss	> 15dB
	Jitter	< 0.2UI
	Connector	75Ω BNC
SYNC	6-ch unidirectional BNC with loop, support tri-level and BB signal	
Fiber Optic	Channel	2
	Type/Distance	Single-mode/20KM standard, optional max 80KM
	Wavelength	CWDM 18 wavelength
	Connector	LC/PC (ST/PC optional) or OEM SMPTE LEMO
	Output Power	About +5dB to +8dB
	Receiver sensitivity	-8dB for 20KM, optional max is -24dB
Power and Environmental	Operating temperature	-40°C ~ +45°C
	Power Supply	90VAC to 245VAC
	Power Consumption	12W
	EMI/RFI	FCC Part 15 Class A, EU EMC standard
	MTBF	>100000 hours
Other	Rack mount	2U
	Weight	8Kg (TX+RX)

Diagram

