

12G-SDI Fiber Extender/4K Solution

Model No: FLG84PS

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 12G-SDI and 4-ch reverse 12G-SDI
2. Support 1-ch Gigabit Ethernet
3. Compatible with 6G-SDI, 3G-SDI, HD-SDI, SD-SDI
4. Bandwidth range from 270Mb/s to 11.88Gb/s
5. SMPTE ST 2082-1 (11.88Gb/s) clock recovery
6. SMPTE 292M, 259M, 296M, 297M, 372M, 424M, 425M, ST-2081, ST-2082
7. Support automatic cable equalization based on the data rate detected
8. LED status indicators monitor the critical parameters
9. SMPTE311/304M 3K.93C connector for fiber optic
10. Support one box to supply power to the other box
11. Support OEM configuration according to real needs
12. Support CWDM or DWDM solution



SMPTE HDTV Hybrid Cable

Order Info

Model Number	Specification
FLG84PS	8-ch forward 12G-SDI, 4-ch reverse 12G-SDI, 1-ch Gigabit Ethernet, SMPTE connector, 1.5U 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, command center.

Specification

SDI Input	Number	8 input on TX box, 4 input on RX box
	TV signal standard	SMPTE ST 2082, SMPTE ST 2081, SMPTE ST 424, SMPTE ST 425, SMPTE ST 292, SMPTE ST 259
	Reflection loss	>4DB @12G
	Equilibrium	>50M @ 12Gb/s
	Connector	75Ω BNC
SDI Output	Number	8 output on RX box, 4 output on TX box
	Signal level	800mV nominal
	Rise/fall time	<135ps @3G-SDI, <80ps @6G UHD-SDI <45ps @12G UHD-SDI
	Overshoot	<10% amplitude
	Reflection loss	> 15dB
	Jitter	< 0.5UI
	Connector	75Ω BNC
Ethernet	RJ45 Connector	1-ch 1000M bandwidth
Fiber Optic	Channel	2 core inside
	Type/Distance	2KM over SMPTE Cable 10KM over Single-mode/pure fiber
	Wavelength	CWDM 14 wavelength
	Connector	SMPTE LEMO
	Output Power	About +3 dB to -5dB
	Receiver sensitivity	-6dB for 10KM
Power and Environmental	Operating temperature	-40°C ~ +45°C
	Power Supply	110 to 245VAC
	Power Consumption	About 12W
	EMI/RFI	FCC Part 15 Class A, EU EMC standard
	MTBF	>100000 hours
Other	Size	1.5U rack mount
	Weight	9Kg (TX+RX)

Diagram

