

12G-SDI Fiber Extender/4K Solution

Model No: FLG40P

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. 4-ch 4K@60Hz 12G-SDI with loop out
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. Single core fiber cable, optional FC, ST, 10KM.
10. Optional supporting broadcast pathological signal
11. Dual power supply for backup
12. Support CWDM or DWDM solution



1-ch Mini 12G-SDI fiber kit for reference

Order Info

Model Number	Specification
FLG40P	4-ch unidirectional 12G-SDI, loop out on TX and RX , 1-ch Gigabit Ethernet, single fiber, single mode, FC/ST, 10KM, 1U 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	4 input with loop
	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
	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	1
	Type/Distance	Single-mode/10KM standard
	Wavelength	CWDM
	Connector	FC or ST
	Output Power	About +3 dB to -5dB
	Receiver sensitivity	Standard 10KM, 20KM optional
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	1U rack mount
	Weight	9Kg (TX+RX)

Diagram

