

12G-SDI Fiber Extender/4K Solution

Model No: FLG106APC

Description

We have been in video audio transmission system solution over 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, Genlock/SYNC, tally and other functions. The fiber connectors could be ST, FC, SC, LC, Opticalcon Duo, SMPTE LEMO type. We welcome any OEM request for SDI over fiber series.

Features

1. 10-ch forward 12G-SDI and 6-ch reverse 12G-SDI
2. Support one 10G Ethernet
3. Support 2-ch Separate Gigabit Ethernet
4. Support 8-ch bidirectional contact closure
5. Support 8 forward and 8 reverse analog line audio
6. Compatible with 6G-SDI, 3G-SDI, HD-SDI, SD-SDI
7. Bandwidth range from 270Mb/s to 11.88Gb/s
8. SMPTE ST 2082-1 (11.88Gb/s) clock recovery
9. SMPTE 292M, 259M, 296M, 297M, 372M, 424M, 425M, ST-2081, ST-2082
10. Support automatic cable equalization based on the data rate detected
11. LED status indicators monitor the critical parameters
12. Single core fiber cable, optional FC/ST/LC, 10KM.
13. Support OEM configuration according to real needs



Welcome any OEM SDI Fiber Box

Order Info

Model Number	Specification
FLG106APC	10-ch forward and 6-ch reverse 12G-SDI, 8-ch bidirectional D-SUB analog audio, 8-ch bidirectional D-SUB contact closure 2 core LC fiber port, 2U rack mount, dual power supply, 10KM

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	10 input on TX box, 6 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	10 output on RX box, 6 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 10G Ethernet, 2-ch 1000M separate bandwidth
Audio	D-sub connector	8-ch bidirectional analog balance audio
Tally	D-sub connector	8-ch bidirectional contact closure
Fiber Optic	Channel	2
	Type/Distance	Single-mode/10KM standard
	Wavelength	CWDM
	Connector	FC/ST/LC/SMPTE/Opticalcon
	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	2U rack mount
	Weight	9Kg (TX+RX)

Diagram

