

## 12G-SDI Fiber Extender

Model No: FLG1616G

### Description

Beijing Fiber Linker Co., Ltd has been in video audio transmission system solution for 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 fiber extender over fiber by CWDM, DWDM and TDM uncompressed solution with data, external audio, Genlock SYNC, Time code, Ethernet, tally and other functions. The fiber connectors could be ST, FC, SC, LC, SMPTE, LEMO type, OpticalCON DUO and others. We welcome any OEM request for SDI over fiber series.

### Features

1. 16-ch forward and 16-ch reverse 12G-SDI
2. Support 1-ch bidirectional Genlock
3. Uncompressed CWDM fiber solution
4. Compatible with 6G-SDI, 3G-SDI, HD-SDI, SD-SDI
5. Bandwidth range from 270Mb/s to 11.88Gb/s
6. SMPTE ST 2082-1 (11.88Gb/s) clock recovery
7. SMPTE 292M, 295M, 296M, 297M, 372M, 424M, 425M, ST-2081, ST-2082
8. Support automatic cable equalization based on the data rate detected
9. LED status indicators monitor the critical parameters
10. Dual LC fiber connector, optional ST/FC/Neutrik opticalCON Duo/SMPTE304M/SMPTE311M FXW and EDW connector
11. Support OEM configuration according to actual request



2U rack mount

### Order Info

Model Number	Specification
FLG1616G	16-ch forward 12G-SDI, 16-ch reverse 12G-SDI, 1-ch forward Genlock, 1-ch reverse Genlock, dual LC fiber, single mode, 10KM, 2U 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

<b>SDI Input</b>	Number	16 in on TX box, 16 in 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
<b>SDI Output</b>	Number	8 in on TX box, 8 in on RX 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
<b>Genlock</b>	BNC Connector	1-ch forward and 1-ch reverse Genlock, compatible with Tri-level and BB
<b>Fiber Optic</b>	Channel	1
	Type/Distance	Single-mode/10KM standard
	Wavelength	CWDM
	Connector	FC /ST/LC/SC, optional SMPTE LEMO
	Output Power	About +3 dB to -5dB
	Receiver sensitivity	Standard 10KM, 20KM optional
<b>Power and Environmental</b>	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
<b>Other</b>	Size	1U rack mount
	Weight	10Kg (TX+RX)

## Diagram

