

3G-SDI Fiber Extender

Model No: FLS88HAPG

Description

The model FLS88HAPG is 3G-SDI fiber extender or named as SDI to fiber converter. It has multiple functions with SDI video signal, HDMI video signal, Genlock signal, analog audio, and Ethernet over opticalCon quad fiber connector. 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, SYNC, USB, 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 3G-SDI and 8-ch reverse 3G-SDI
2. 2-ch forward and 2-ch reverse HDMI2.0 with loop
3. Support two separate Gigabit Ethernet
4. Support 4 analog line audio
5. Support 1-ch Genlock
6. SDI range from 19.4Mb/s to 2.97Gb/s
7. SMPTE 424M (2.97Gb/s) clock recovery
8. SMPTE 292M, 259M, 296M, 297M, 372M, 424M, 425M
9. Support automatic cable equalization based on the data rate detected
10. LED status indicators monitor the critical parameters
11. OpticalCon Quad fiber connenctor with reversed CWDM LC
12. Support OEM configuration according to real needs
13. 2U rack mount



Welcome any OEM SDI Fiber Box

Order Info

Model Number	Specification
FLS88HAPG	8-ch bidirectional 3G-SDI, 2-ch bidirectional 4K60 HDMI, 4-ch analog balance XLR audio, 2-ch Separate Gigabit Ethernet, 1-ch Genlock, opticalCon Quad connector, 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. commend center.

Specification

SDI Input	Number	8 input on TX box, 8 output on RX box
	TV signal standard	SMPTE ST 424, SMPTE ST 425, SMPTE ST 292, SMPTE ST 259, DVB-ASI
	Reflection loss	>15DB
	Equilibrium	0-100m @ 2.97Gb/s
	Connector	75Ω BNC
SDI Output	Number	8 input on TX box, 8 output on RX box
	Signal level	800mV nominal
	Rise/fall time	200Ps nominal
	Overshoot	<10% amplitude
	Reflection loss	> 15dB
	Jitter	< 0.2UI
	Connector	75Ω BNC
HDMI	2-ch bidirectional with loop	HDMI2.0 version, support max 4k2k@60Hz 4:4:4
Genlock	1-ch unidirectional with loop	BNC, Tri-level and BB
Ethernet	RJ45 Connector	2-ch separate 1000M bandwidth
Audio	XLR connector	4-ch unidirectional analog balance audio
CWDM Reserved	2 LC fiber ports	CWDM wavelength
Fiber Optic	Connector	opticalCon Quad
	Type/Distance	20KM
	Wavelength	CWDM
	Output Power	About +5 dB to +1dB
	Fiber Loss	8 dB for 20KM
Power and Environmental	Operating temperature	-40℃~+45℃
	Power Supply	110 to 245VAC
	Power Consumption	About 24W
	EMI/RFI	FCC Part 15 Class A, EU EMC standard
	MTBF	>100000 hours
Other	Size	2U rack mount
	Weight	7Kg /pcs

Diagram

