

12G-SDI Fiber Extender/PTZ Solution

Model No: FLG22PS

Description

This SDI fiber extender is for PTZ camera fiber transmission solution. It has four PTZ camera fiber units and on base station rack mount. The SDI and IP signals will be extended over SMPTE FXW and EDW connector by FUW-PUW cable. Support remote power supply from rack unit to 4 camera SDI fiber converters. This PTZ SDI fiber extender also support DC power output for PTZ camera. Our SDI fiber optic extender has been widely used in our domestic and overseas for broadcast TV transmission system. We could OEM it with other functions combination like Genlock, SYNC, time code, audio, data according to clients' real use request.

Features

1. 2-ch bidirectional 4K@60Hz 12G-SDI for camera end
2. Support 2-ch separate Gigabit Ethernet for camera end
3. Base station rack has 4 groups of PTZ camera units
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, 259M, 296M, 297M, 372M, 424M, 425M, ST-2082
8. Support automatic cable equalization based on the data rate detected
9. LED status indicators monitor the critical parameters
10. Fiber transmission over SMPTE FXW and EDW connector
11. Supply remote power to camera SDI fiber box over FUW-PUW cable
12. Support led screen to show fiber power
13. Camera SDI fiber converter has local power input and DC output
14. CWDM uncompressed solution, support OEM



Order Info

Model Number	Specification
FLG22PS	Camera unit: 2-ch bidirectional 12G-SDI, 2-ch separate Gigabit Ethernet, over SMPTE hybrid fiber connector, stand alone case Base Station unit: 2U rack mount to have 4 groups of camera unit function

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	2 input on camera end and 8 input on base station unit
	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	2 output on camera end and 8 output on base station unit
	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	2-ch separae 1000M bandwidth on camera end and 8 channels on base station unit
Fiber Optic	Channel	1
	Type/Distance	2KM standard
	Wavelength	CWDM
	Connector	SMPTE HDTV Lemo connector
	Output Power	About +3 dB to -5dB
	Receiver sensitivity	-4dB
Power and Environmental	Operating temperature	-40°C ~ +45°C
	Power Supply	110 to 245VAC, remote power to camera units over SMPTE
	Power Consumption	About 12W
	EMI/RFI	FCC Part 15 Class A, EU EMC standard
	MTBF	>100000 hours
Other	Size	Camera unit:200*200*75mm, Base Station unit:2U
	Weight	9Kg (5 units)

Diagram

