



Model NO: FE1121-12G 12G-SDI FIBER OPTIC EXTENDER

- ▶ 12G/6G/3G-SDI input & loopout on transmitter
- ▶ Dual 12G-SDI outputs on receiver
- ▶ Supports up to 12G bandwidth
- ▶ SDI input automatic switching SD, HD, 3G, 6G, 12G-SDI
- ▶ 10km transmission distance
- ▶ SFP/ LC Fiber transmitter & receiver
- ▶ SDI equalization and re-clocking
- ▶ USB power supply



10km Transmission

The 12G-SDI Fiber Optic Extender is a transmitter/receiver kit supporting 1310nm wavelength single-mode LC simplex fiber extensions up to 10km. It is a miniature-style extension solution that supports all SDI formats resolutions up to 4K60 (Max. bandwidth: 12Gbps) with audio and metadata.

Technical specification

CONNECTIONS	Transmitter SDI Video Input	SD/HD/3G/6G/12G-SDI/ASI(75Ω)×1
	Transmitter SDI Loop Output	SD/HD/3G/6G/12G-SDI/ASI(75Ω)×1
	Transmitter Fiber Optical Output	SFP module(LC)×1
	Receiver Fiber Optical Input	SFP module(LC)×1
	Receiver SDI Video Output	SD/HD/3G/6G/12G-SDI/ASI(75Ω)×2
STANDARDS	Optical Fiber Module	SFP module: Hot-pluggable Connector style: LC Fiber type: single-mode Optical wavelength: 1310nm Max. bandwidth: 12Gbps Optical transmit power: -4dBm Receiver sensitivity: -12dBm
	Single-mode Max. Distance	10 km (12.5 miles) for 12G (4K60P)
	Optical Fiber Compliance	SMPTE 297M
	SDI Compliance	SMPTE ST-2081, SMPTE ST-2082, SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 424M-B, ITU-R BT.656, ITU-R BT.601, SMPTE 274M, SMPTE 425M
	SDI Auto Switching	SD/HD/3G/6G/12G-SDI on input
	SDI Video Rate	SD/HD/3G/6G/12G-SDI
	SDI Color Space	YUV, RGB
	SDI Equalization and Re-clocking	Yes, SDI input and output support up to 60m for 12G-SDI
	SDI Audio	Supports 32/16 channels embedded
	SIZE	Dimension(LWD)
Weight		200+200g
Power		Micro USB
POWER	Power Consumption	1.5W
	Voltage Range	3.3V~5V
	ENVIRONMENT	Operating Temperature
Storage Temperature		-30°C~70°C
Relative Humidity		0%~90% non-condensing
WARRANTY	Warranty	3 year limited warranty

