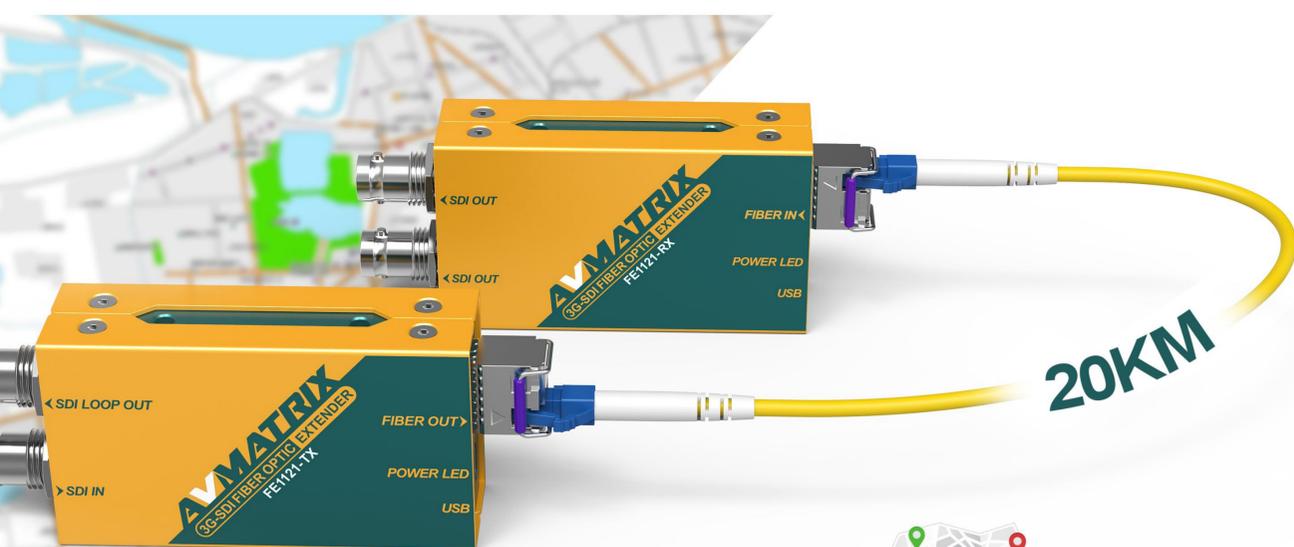




## Model NO: FE1121 3G-SDI FIBER OPTIC EXTENDER

- ▶ 20km transmission distance
- ▶ Support 3Gbit Level A and Level B (all formats)
- ▶ SFP/ LC Fiber transmitter & receiver
- ▶ SDI equalization and re-clocking
- ▶ 3G-SDI input & loopout on transmitter
- ▶ Dual 3G-SDI outputs on receiver
- ▶ SDI input automatic switching SD, HD & 3G
- ▶ USB power supply



### 20km Transmission

The 3G-SDI Fiber Optic Extender is a transmitter/receiver kit supporting 1490nm wavelength single-mode LC simplex fiber extensions up to 20km. It is a miniature-style extension solution that supports all SDI formats resolutions up to 1080p (Max. bandwidth: 3Gbps) with audio and metadata.



### SFP module with LC connector

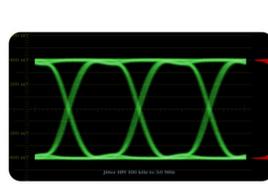
The fiber extender uses hot-pluggable SFP design with LC connector. You can replace the module anytime and anywhere. It is designed to transmit data rates from 50Mbps to 3Gbps, compliant with SFP MSA, SFF-8472 and SMPTE 297M-2006.



# 120M

## SDI Equalization & Re-clocking

Equalized on the SDI input and reclocking on the SDI outputs to maximize performance up to 120m for 3G and 140m for HD-SDI. It ensures transmission quality and effect of eye diagram, and fully compatible with 3G level A & level B formats.



Eye Diagram

## Technical specification

<b>CONNECTIONS</b>	Transmitter SDI Video Input	SDI/HD/3G-SDI(75Ω)×1
	Transmitter SDI Loop Output	SDI/HD/3G-SDI(75Ω)×1
	Transmitter Fiber Optical Output	SFP module(LC)×1
	Receiver Fiber Optical Input	SFP module(LC)×1
<b>STANDARDS</b>	Receiver SDI Video Output	SDI/HD/3G-SDI(75Ω)×2
	<b>Optical Fiber Module</b>	SFP module: Hot-pluggable Connector style: LC Fiber type: single-mode Optical wavelength: 1490nm Max. bandwidth: 3Gbps Optical transmit power: -6~0dBm Receiver sensitivity: -22dBm
	<b>Single-mode Max. Distance</b>	20 km (12.5 miles) for 3G (1080P)
	<b>Optical Fiber Compliance</b>	SMPTE 297M 2006
<b>SDI COMPLIANCE</b>	<b>SDI Compliance</b>	3Gbit Level A & level B (all formats) SMPTE 259M, SMPTE 292M, SMPTE 424M, SMPTE 296M, SMPTE 274M, SMPTE 425M, ITU-R BT.656, ITU-R BT.601
	<b>SDI Auto Switching</b>	Auto selects SDI/HD/3G-SDI on input
	<b>SDI Video Rate</b>	SDI/HD/3G-SDI
	<b>SDI Color Space</b>	YUV, RGB
	<b>SDI Equalization and Re-clocking</b>	Yes, SDI input and output support up to 120m for 3G-SDI
	<b>SDI Audio</b>	Supports 16 channels embedded
	<b>SIZE</b>	<b>Dimension(LWD)</b>
<b>Weight</b>		200±200g
<b>Power</b>		Micro USB
<b>POWER</b>	<b>Power Consumption</b>	1.5W
	<b>Voltage Range</b>	3.3V~5V
<b>ENVIRONMENT</b>	<b>Operating Temperature</b>	-20℃~60℃
	<b>Storage Temperature</b>	-30℃~70℃
	<b>Relative Humidity</b>	0%~90% non-condensing
<b>WARRANTY</b>	<b>Warranty</b>	3 year limited warranty

