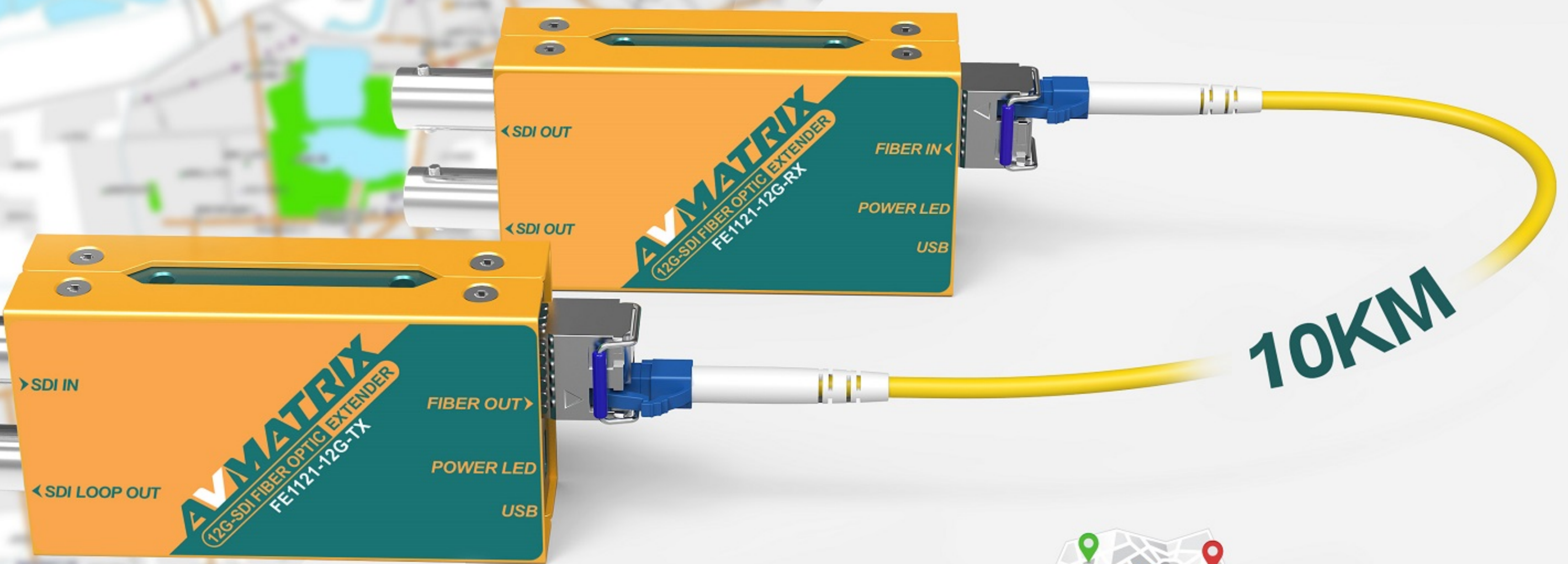


# Model NO: FE1121-12G 12G-SDI FIBER OPTIC EXTENDER

- ▶ 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

<b>CONNECTIONS</b>	<b>Transmitter SDI Video Input</b>	SD/HD/3G/6G/12G-SDI/ASI(75Ω)×1
	<b>Transmitter SDI Loop Output</b>	SD/HD/3G/6G/12G-SDI/ASI(75Ω)×1
	<b>Transmitter Fiber Optical Output</b>	SFP module(LC)×1
	<b>Receiver Fiber Optical Input</b>	SFP module(LC)×1
	<b>Receiver SDI Video Output</b>	SD/HD/3G/6G/12G-SDI/ASI(75Ω)×2
<b>STANDARDS</b>	<b>Optical Fiber Module</b>	SFP module: Hot-pluggable Connector style: LC Fiber type: single-mode Optical wavelength: 1310nm Max. bandwidth: 12Gbps Optical transmit power: -4dBm Receiver sensitivity: -12dBm
	<b>Single-mode Max. Distance</b>	10 km (12.5 miles) for 12G (4K60P)
	<b>Optical Fiber Compliance</b>	SMPTE 297M
	<b>SDI Compliance</b>	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
	<b>SDI Auto Switching</b>	SD/HD/3G/6G/12G-SDI on input
	<b>SDI Video Rate</b>	SD/HD/3G/6G/12G-SDI
	<b>SDI Color Space</b>	YUV, RGB
	<b>SDI Equalization and Re-clocking</b>	Yes, SDI input and output support up to 60m for 12G-SDI
	<b>SDI Audio</b>	Supports 32/16 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>Operating Temperature</b>	0°C~60°C
<b>ENVIRONMENT</b>	<b>Storage Temperature</b>	-10°C~70°C
	<b>Relative Humidity</b>	0%~90% non-condensing
	<b>WARRANTY</b>	Warranty

