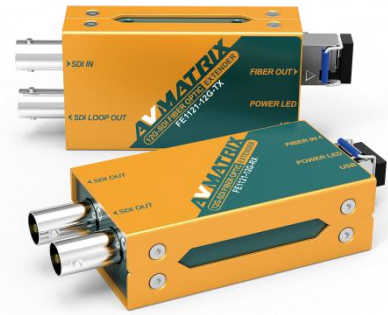


12G-SDI Fiber Optic Extender Kit

FE1121-12G



The FE1121-12G 4K 12G-SDI Fiber Optic Extender is a transmitter/receiver kit supporting single-mode LC simplex fiber extensions up to 10km. It is a miniature-style extension solution that supports all SDI formats resolution up to 4K with audio and metadata. It features a local SDI loop out and dual SDI outputs and supports 12G/6G/3G/HD/SD-SDI signals.

Connections

Transmitter SDI Video Input

1×SD/HD/3G/12G-SDI/ASI(75Ω BNC)

Receiver Fiber Optical Input

SFP module with LC connector

Power LED Indicator

Power and signal status

Transmitter SDI Loop Output

1×SD/HD/3G/12G-SDI/ASI(75Ω BNC)

Receiver SDI Video Output

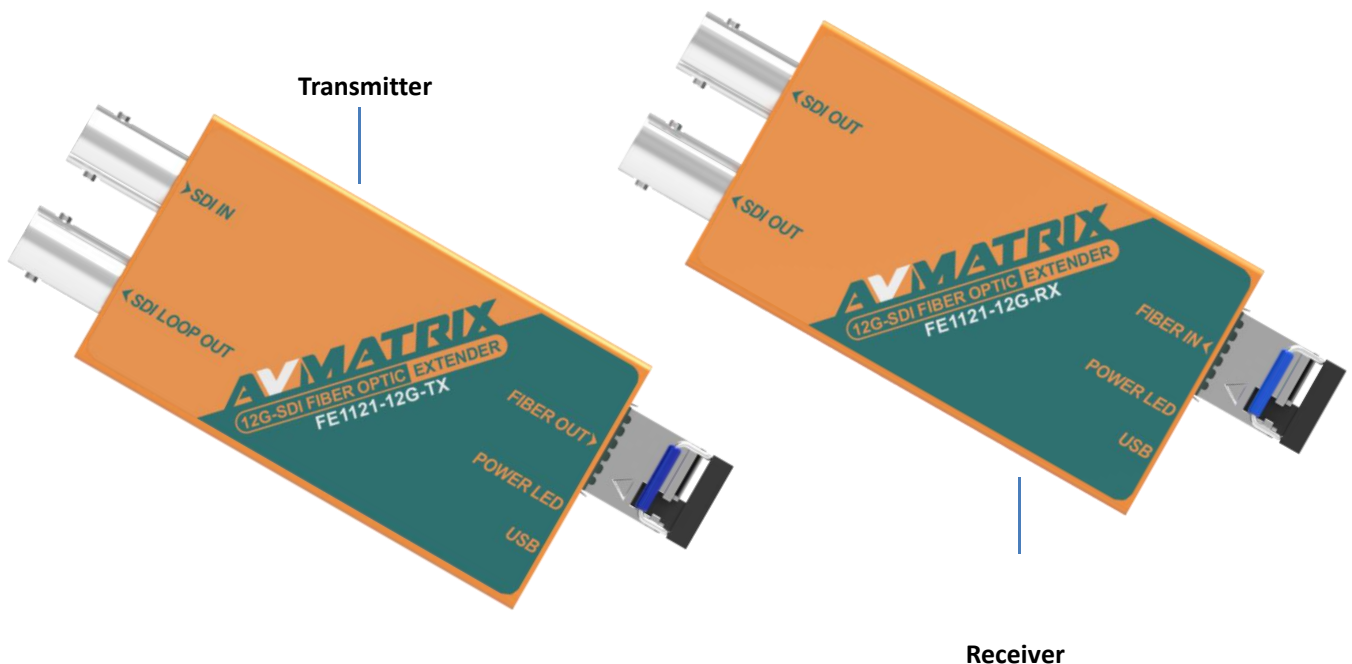
2×SD/HD/3G/12G-SDI/ASI(75Ω BNC)

Transmitter Fiber Optical Output

SFP module with LC connector

USB Type-C

Power and software update



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
Receiver overload: <-2dbm

Optical Fiber Compliance

SMPTE 297M 2006

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 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/100m for 12G/3G-SDI

Single-mode Max. Distance

10 km (6.2 miles) for 12G (4K)

SDI Audio

Supports 32/16 channels embedded

Power

Power

USB Type-C

Power Consumption

Transmitter: 1.5W, Receiver: 1.5W

Voltage Range

DC 3.3-5V

Physical Specifications

Dimension

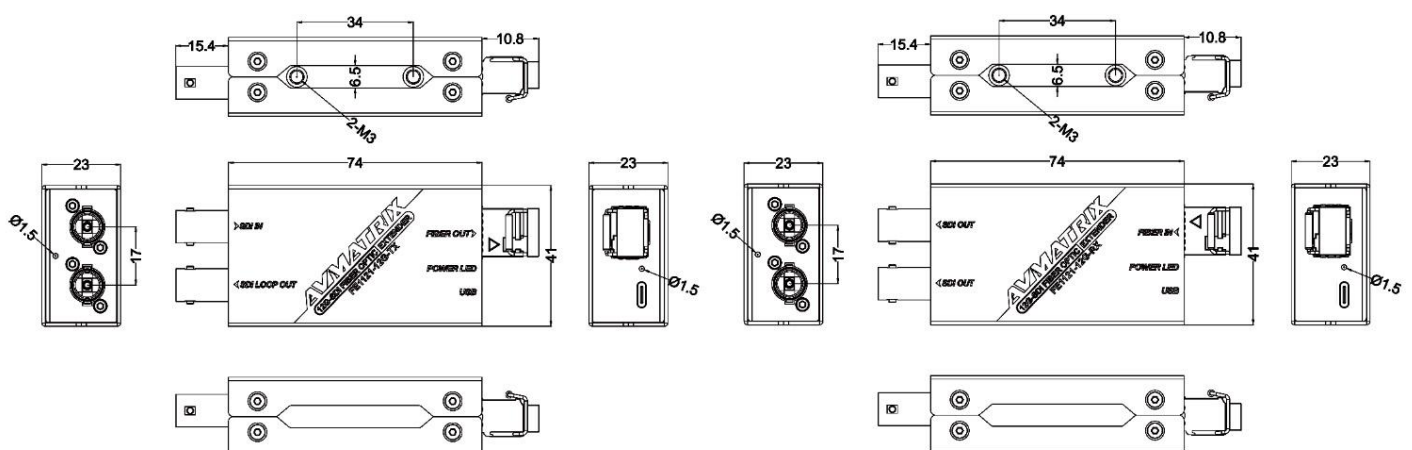
71×41×23mm

Net Weight

200g+200g

Gross Weight

800g



FE1121-12G-TX(Transmitter)

FE1121-12G-RX(Receiver)

Environmental Specifications

Operating Temperature

0°C~60°C

Storage Temperature

-10°C~70°C

Relative Humidity

0%~90% non-condensing

What's Included

FE1121--12G-TX (12G-SDI Fiber Optic Extender Transmitter)

FE1121-12G-RX (12G-SDI Fiber Optic Extender Receiver)

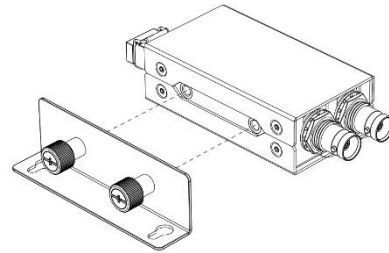
2pcs 5V Special Power Adapters

2pcs USB Cables

2pcs Mounting Brackets

Technical Specifications

Mounting Diagram



Warranty

3 Year Limited Manufacturer's Warranty

✧ Note: due to constant effort to improve products and product features, specifications may change without notice.