

Product Information Datasheet

1 SDI & HDSDI Over Fiber MINI Extender



SDI over fiber |SDI to Fiber| Sdi Fiber Extender| SDI Fiber Rattler

Preview



Short Description

(SD/HD-SDI coax-to-fiber) throw-down converter. Transmit multi-rate SD/HD-SDI video, up to 1.485Gb/s, at extended distances up to 80Km over one strand of single mode optical fiber, better than a rattler. F-M1SDI transmitter and receiver kit for transporting HD-SDI, SD-SDI, or DVB-ASI digital broadcast video signals over fiber cable. Provides 1 channel of RS-485 control data over a return path from the Rx back to the Tx.

Table of Contents

- Description
- Drawings
- Specification
- Contact

1 Ch Mini HD/SD - SDI Fiber Optic Extender with return RS485 Data

Extend HD-SDI or SD-SDI digital video signals over single-mode or multimode fiber optic cable

Thor compact SDI fiber extender kits are designed to increase the range of digital SD-SDI or HD-SDI video signals over single mode or multimode fiber optic cable. SDI is normally carried over coax cable on BNC connectors, however, the maximum cable distance is limited to around 100 meters. Thor SDI extenders increase this distance to more than 80 miles by using lasers to send the data over fiber cable.

TX/RX kit F-M1SDI-TX/RX with ST/PC connector, supports single mode fiber up to 20Km or 2000 feet over multimode fiber

Cabled (coax-to-fiber) throw-down converter compact, rugged, and portable converter boxes. Super-easy to use, supports SMPTE 424M, 292M, and 259M as well as ASI and MADI audio. Its wide operating range from 5Mbps to 1.5Gbps, (3G-SDI 3Gbps model available*) supports most professional digital serial communications. Full error-free pathological pattern operation is fully compatible with professional fiber video interfaces. Single channel SDI fiber links are the smallest Micro units that are suitable for a wide range of applications identical to where rattlers are used.

Single channel SDI fiber links are highly compact units that are suitable for a wide range of applications identical to where rattlers are used. Common uses include mounting on broadcasting cameras to simplify cable distribution. Another common application is for high end security systems. The F-M1SDI platform is ideal for security applications where the RS-485 serial data channel can be used to control pan, tilt, and zoom controllers at the camera mount. This also simplifies cabling.



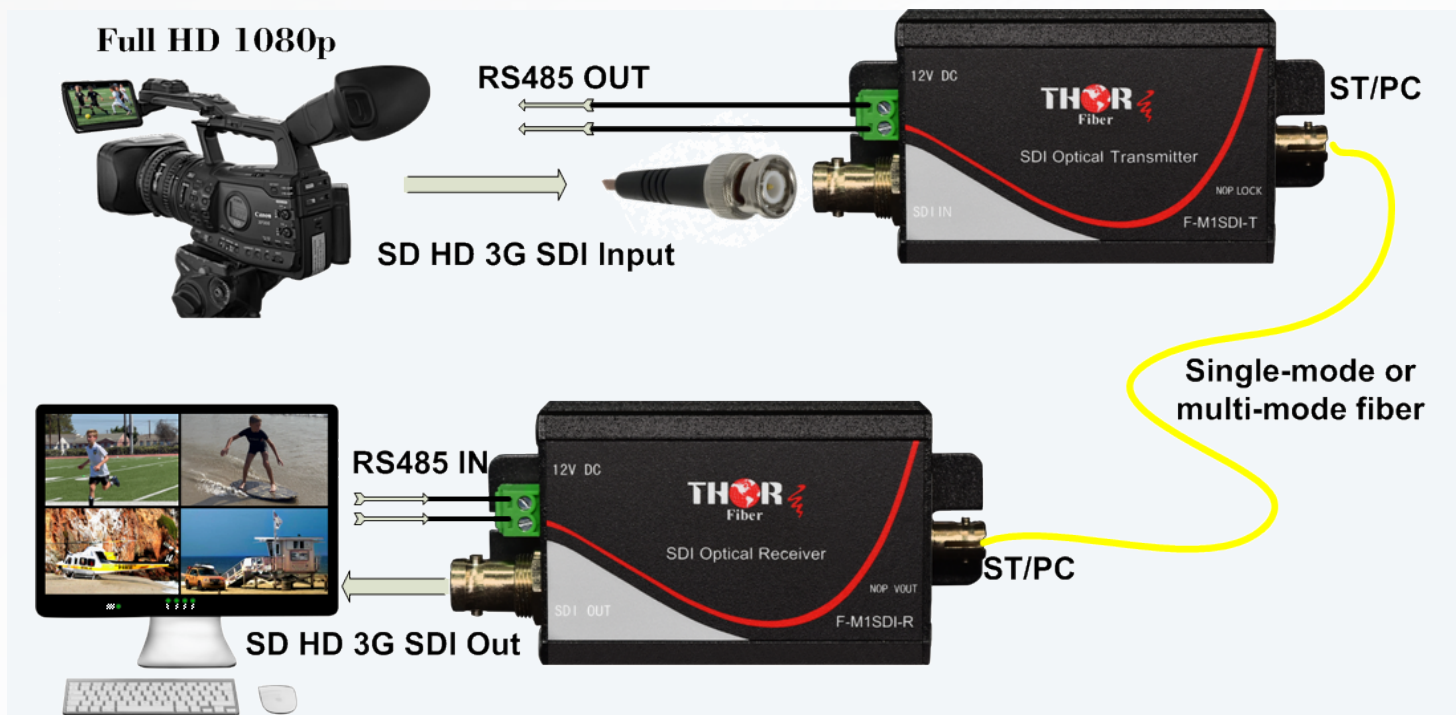
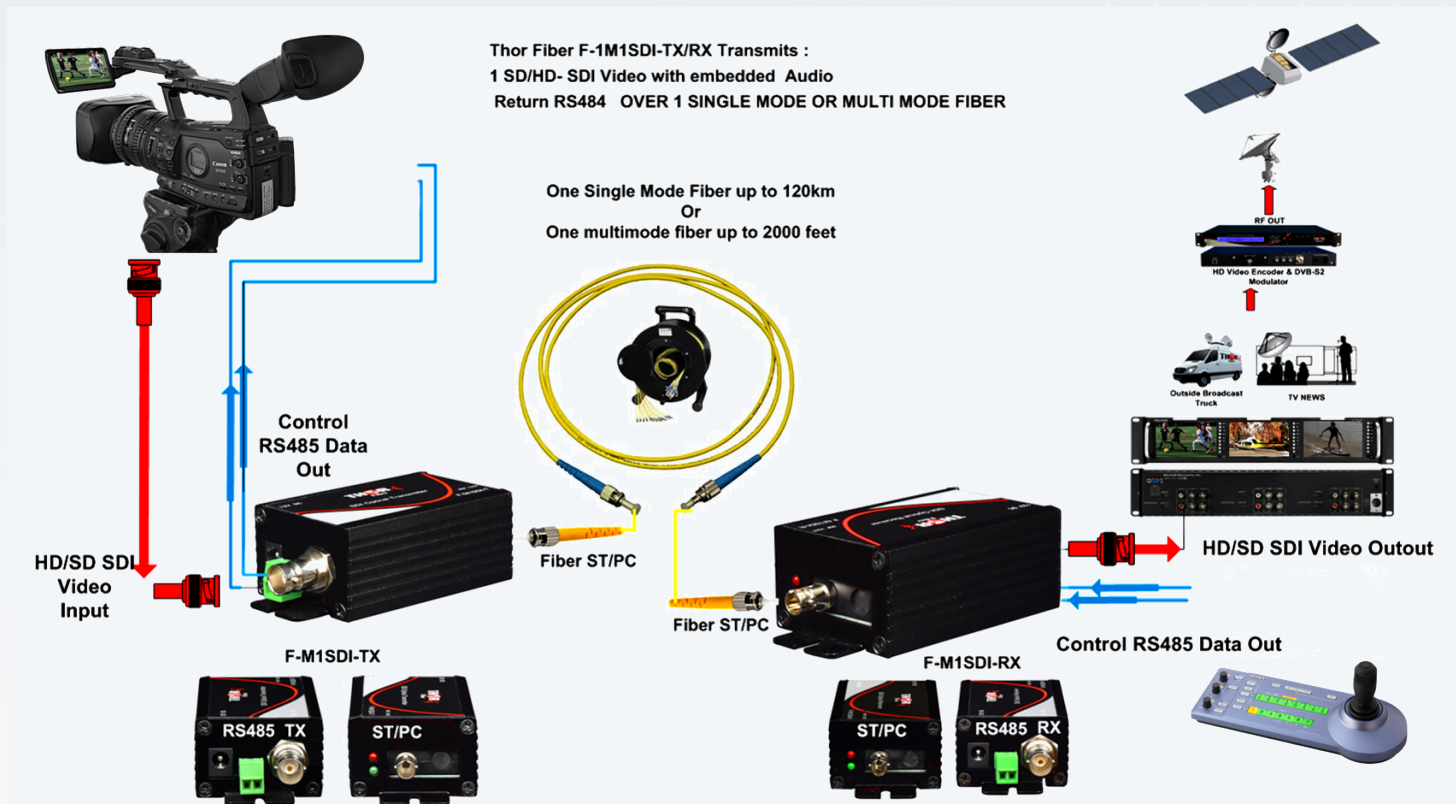
Thor F-M1SDI fiber optic SDI transmitters and receivers use locking type ST fiber connectors and BNC video cables to ensure that any cable is not accidentally pulled out of the device once the equipment is installed. Adapter jumpers are available by request for most types of fiber cables if a different fiber connector type is required. Options are available for both singlemode or multimode fiber, and a range of transmitter power options can be selected.



- We can implement any Fiber Connector like ST, SC, FC or LC, although our standard unit has ST/PC (UPC) fiber connecto

Specification

<ul style="list-style-type: none">• HD-SDI Input	HD-SDI, SD-SDI, or DVB-ASI 0 - 1.5 Gbps Serial Digital Signal (3Gbps SDI model available) Input Signal Standard : SMPTE292M,SMPTE259M,SMPTE297M,SMPTE310, SMPTE305(SDTI), DVB-ASI(EN50083-9) , Medi Audio
<ul style="list-style-type: none">• Number of Input	1 SDI -(BNC) 1 RS-485 (Terminal block)
<ul style="list-style-type: none">• Signal Level	> 380mVp-p
<ul style="list-style-type: none">• Impedance	75
<ul style="list-style-type: none">• Connector	BNC
<ul style="list-style-type: none">• Distance	20/20/60/80/100Km - model selection
<ul style="list-style-type: none">• Mini box	93.2 x 46.2 x 29.6mm
<ul style="list-style-type: none">• Power Supply	130 - 260 VAC @ 50-60 Hz
<ul style="list-style-type: none">• Power Consumption	<10W
<ul style="list-style-type: none">• Temperature	0 to +70 Degree
<ul style="list-style-type: none">• Humidity	0 to 95%
<ul style="list-style-type: none">• Connector	ST/PC or SC/PC or FC/PC per request
<ul style="list-style-type: none">• Optical Channels	CWDM type 1310nm/1550nm
<ul style="list-style-type: none">• LED Status Indicator• Power• RH	Power, Link Non-condensing



Contact Us

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More about product: <https://thorbroadcast.com/product/1-sdi-hdsdi-over-fiber-mini-extender.html>