

SDI Fiber Optic Extenders

SDI-FIB-Tx

SDI to Fiber Extender / Transmitter

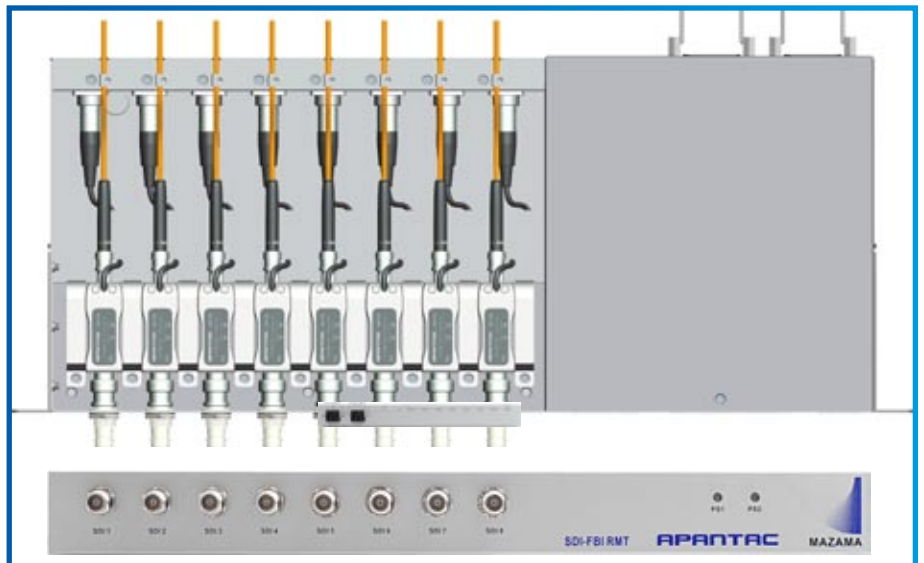
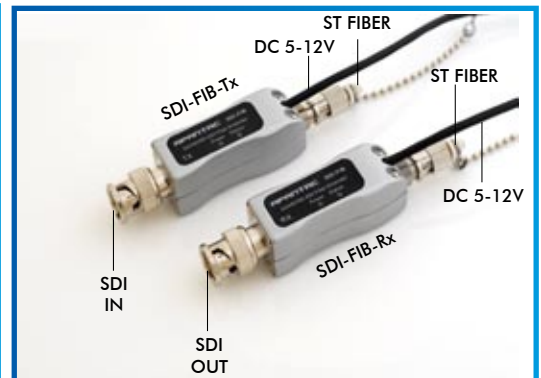
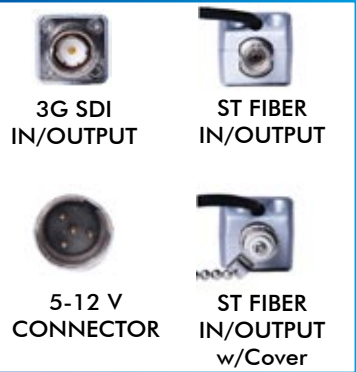
SDI-FIB-Rx

SDI to Fiber Receiver

SDI-FIB-RMT

19" Rackmount for up to 8 SDI-FIB Tx or Rx, Hot Swappable Redundant Universal Power Supplies.

- Input Impedance: 75 Ohm
- Data Rate: up to 3 Gbps
- Signal Level: 800mV (p-p) +/- 50mV
- Optical Fiber Types: ST (Multi-mode and single-mode)
- Number of Fibers: 1
- Output Connector: BNC Female
- Distance: Up to 18 miles (30 kilometers) using single-mode fiber. Up to 1 km using multi-mode fiber
- Propagation Delay (Sender): 1.5 ns
- Propagation Delay (Receiver): 40 ns
- Dimensions: 0.77"W x 0.77"H x 1.97"D
- Power Supply: 5V DC @ 0.5 A
- Power Budget: 16dB
- Operating Temperature: -20 to +80C
- Wavelength (Sender Unit): 1290 nm (min), 1310 nm (typ), 1330 nm (max)
- Wavelength (Receiver Unit): 1100 nm (min), 1310 nm (typ), 1650 nm (max)



HD-BASE T

HDMI

DVI

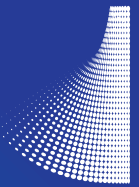
VGA

KVM

TOUCH

OTHERS

SDI



MODEL	SDI-FIB-Tx	SDI-FIB-Rx
DESCRIPTION	SDI to Fiber Extender Transmitter	SDI to Fiber Receiver
INPUT	1 x 3G / HD / SD-SDI via 75 ohm BNC	1 x ST via Fiber
OUTPUT	1 x ST via Fiber	1 x 3G / HD / SD-SDI via 75 ohm BNC
COMPONENTS	1310 FP laser diode	InGaAs/InP PIN photo diode
POWER	+5VDC 1.5 A (+4.5 minimum, +5.5 maximum)	+5VDC 1.5 A (+4.5 minimum, +5.5 maximum)
OPERATING TEMP.	-4F (-20C) to 158F (70C)	-4F (-20C) to 158F (70C)
STORAGE TEMP.	-22F (-30C) to 185F (85C)	-22F (-30C) to 185F (85C)
HUMIDITY	0 to 95% RH, non-condensing	0 to 95% RH, non-condensing
DIMENSIONS	19.5 x 19.5 x 50.7 (mm)	19.5 x 19.5 x 50.7 (mm)

SDI		FIBER OPTIC	
FORMAT	SMPTE-424M, SMPTE-292M, SMPTE-259M	FIBER TYPE	SDI to Fiber Receiver
SIGNAL LEVEL	800mVp-p +/- 50mV (720 min – 880 max mV)	CONNECTOR	ST
EQUALIZATION / RECLOCKING	120m at 2.97 Gpbs 140m at 1.485 Gpbs 400m at 270Mbps with Belden 1694A	POWER BUDGET	Min 11dB
RETURN LOSS	>15db up to 1.5Gpbs >10db up to 3G	WAVELENGTH	1310 nm

	CONDITION	FIBER OPTIC
FIBER TYPE	Glass Single Mode Fiber	9.5 +/- / 125 +/- 2um
MODAL BANDWIDTH	1310nm, 1550nm	Min. 400 MHz km
FIBER CABLE ATTENUATION	1310nm, 1550nm	>0.3dBdb/km
NO. FERRULES	ST Connector	1
SKEW	SMPTE-272M-A	2%
INERTION ATTENUATION	n/a	1.6%
TOTAL OPTICAL ATTENUATION	n/a	30 mm

HD-BASE T

HDMI

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