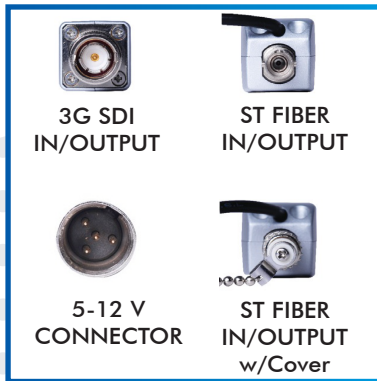


SDI FIBER OPTIC EXTENDERS

- 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)

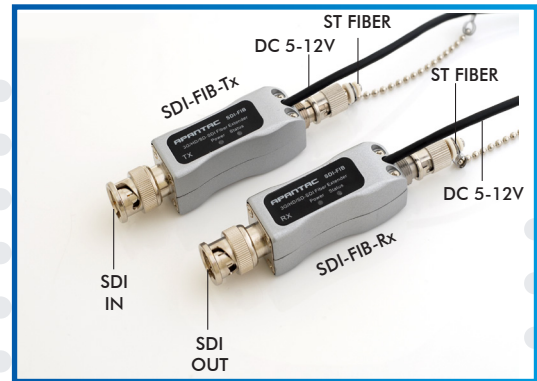
SDI-FIB-Tx

SDI to Fiber Extender / Transmitter



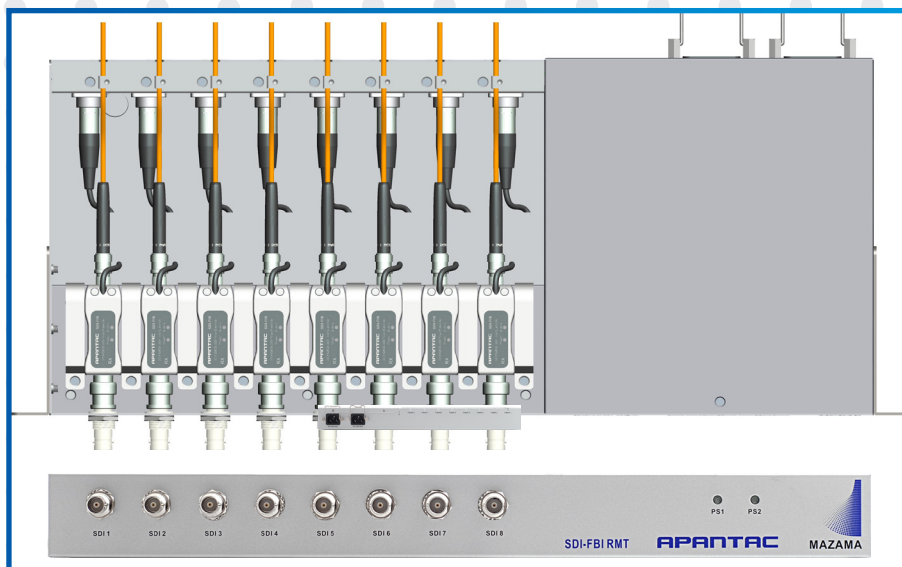
SDI-FIB-Rx

SDI to Fiber Receiver



SDI-FIB-RMT

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



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 1.5Gbps >10db up to 3G	WAVELENGTH	1310 nm
EMBEDDED AUDIO	SMPTE-272M-A	DISTANCE	18 miles / 30 Km - HD 12.5 miles / 20 Km - 3G
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	