

Apantac SDI-FIB MAZAMA SDI to Fiber Optic Extender (Transmitter/Receiver) Kit

Input	SDI-FIB-Tx Transmitter: 1 x 3G / HD / SD-SDI via 75 Ω BNC SDI-FIB-Rx Receiver: 1 x ST via fiber
Output	SDI-FIB-Tx Transmitter: 1 x ST via fiber SDI-FIB-Rx Receiver: 1 x 3G / HD / SD-SDI via 75 Ω BNC
Component	SDI-FIB-Tx Transmitter: 1310 FP laser diode SDI-FIB-Rx Receiver: InGaAs / InP PIN photo diode
Power Supply	5 VDC 1.5 A (4.5 V minimum, 5.5 V maximum)
Compatible With	Single-mode or multi-mode fiber
Extension	Limit: 18 mi (30 km) for 1.485 Mb/s (single mode fiber) and 0.62 mi (1 km) for multi-mode fiber, 12.5 mi (20 km) for 3G (1080P)
Fiber	Recommended Fiber Optic Cable: Glass single-mode fiber with 1310, 1550 nm with ST terminated connectors
Power Budget	Link: Minimum 11 dB
Power Budget	16 dB
Input Impedance	75 ohm
Data Rate	Up to 3 Gb/s
Signal Level	800 mVpp \pm 50 mV
Type	Optical Fiber: ST (multi-mode and single-mode)
Number of Fibers	1
Connector	75 Ω , male BNC
Propagation Delay	Sender: 1.5 ns Receiver: 40 ns
Wavelength	Sender Unit: 1290 nm (minimum), 1310 nm (typical), 1330 nm (maximum) Receiver Unit: 1100 nm (minimum), 1310 nm (typical), 1650 nm (maximum)
Operating Temperature	SDI- FIB-Tx Transmitter / SDI-FIB-Rx Receiver: -4 to 158°F (-20 to 70°C)
Storage Temperature	SDI-FIB-Tx Transmitter / SDI-FIB-Rx Receiver: -22 to 185°F (-30 to 85°C)
Humidity	SDI-FIB- Tx Transmitter / SDI-FIB-Rx Receiver: 0 to 95% RH, non-condensing
Dimensions (W x H x D)	SDI-FIB-Tx Transmitter / SDI-FIB-Rx Receiver: 0.77 x 0.77 x 3.25" (19.50 x 19.50 x 82.70 mm) overall length