

Data Sheet: F-1ASI DVB-ASI Over Fiber Transport

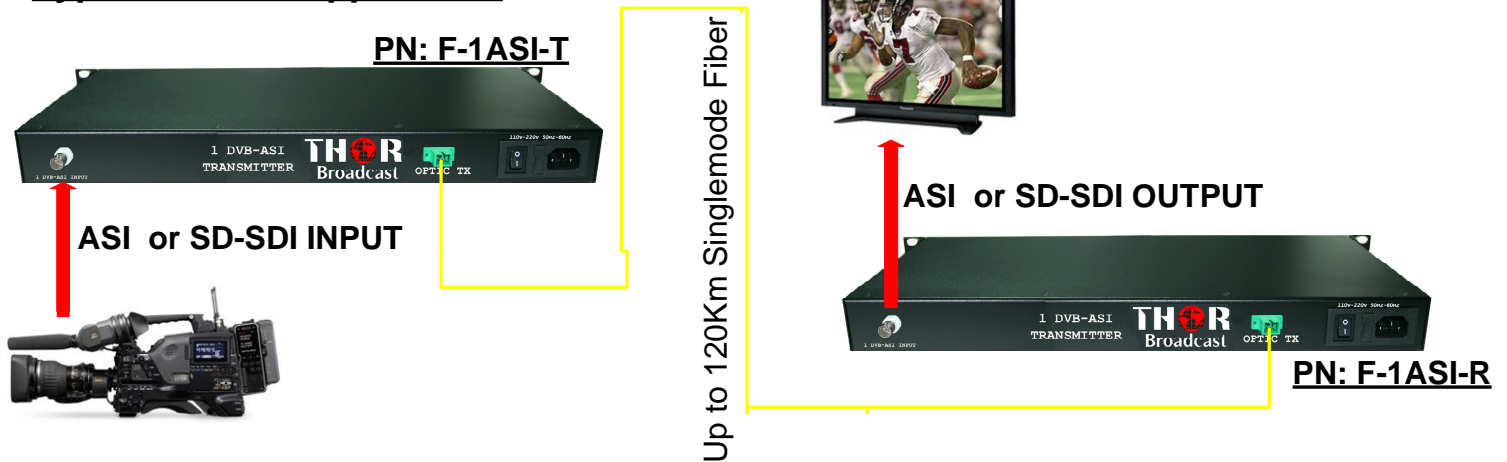


The F-1ASI is a copper to fiber media adapter for both DVB-ASI and SD-SDI signals. This is our standard asi over fiber transport unit for the broadband and broadcast industry.



The F-ASI units are used in various applications for extending ASI and SDI video signals over singlemode fiber. ASI or SDI fiber optic transport is based on the conversion of the transport streams digital band to an optical carrier signal which can be broadcast at distances of up to 120 Km. The unit can be single, dual, or have up to eight independent multiplexed channels. The standard input for the ASI or SDI inputs is a BNC connector however other connectors may be used if specified. The signal channels can carry either a DVB-ASI signal or an SD-SDI signal. The signal is modulated onto a single fiber for transport. The signal is then demultiplexed at the receiver. The F-ASI unit provides up to 8 fully independent DVB-ASI/SDI pipes. We offer both compact and rackmount units. The optical connections can be configured for SC, SC(APC), ST, or FC connectors. The F-1ASI features easy to read diagnostic LED's for system and link status.

Typical F-1ASI Application



Technical Specifications

Applications:	SMPTE 259M, SDI or D1 SMPTE 31 OM, MPEG2 SMPTE 305 540 Mbps HDTV Video On Demand TS MPEG Encoder DVB-ASI ASI 0.5Mbps – 622Mbps	Power Consumption	8 W
Optical Wavelength	1310 – 1550 nm FP/DFB	Power Connection	110-240 V Auto Sense
Optical Output Power	6.0 dbm	Optical Connector	SC/APC or by request
Optical Budget loss	24 – 32 dB	Copper Connections	BNC, 75 ohm
Optical Return Loss	40 dB	Dimensions (H x W x D)	19in x 11.0in x 1.75in 480mmX225mmX44mm
		Weight	0.75 Kg
		Operating Temp. (°C)	0 to +50 (°C)
		Storage Temp. (°C)	-20 to +70 (°C)
		Operating Humidity (%)	0 to 90 %
		Storage Humidity (%)	0 to 90 %
		Regulatory Compliance	FCC Part 15 Class A CE, UL, CUL, TUV