

Data Sheet: F-2ASI

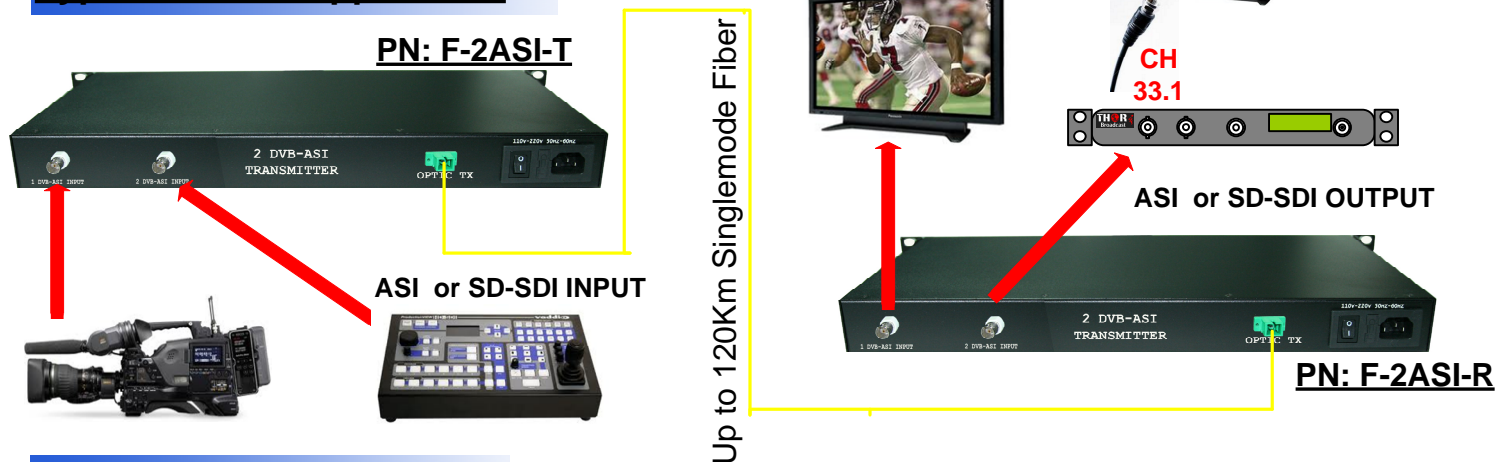


The F-2ASI is a copper to fiber media adapter for both DVB-ASI and SD-SDI signals. This is our standard asi over fiber transport unit for the broadband and broadcast industry.



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-2ASI features easy to read diagnostic LED's for system and link status.

Typical F-2ASI 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
1310 – 1550 nm FP/DFB

Optical Wavelength
Optical Output Power
Optical Budget loss
Optical Return Loss

6.0 dbm
24 – 32 dB
40 dB

Power Consumption
Power Connection
Optical Connector
Copper Connections
Dimensions (H x W x D)

Weight
Operating Temp. (°C)
Storage Temp. (°C)
Operating Humidity (%)
Storage Humidity (%)
Regulatory Compliance

8 W
110-240 V Auto Sense
SC/APC or by request
BNC, 75 ohm
19in x 11.0in x 1.75in
480mmX225mmX44mm
0.75 Kg
0 to +50 (°C)
-20 to +70 (°C)
0 to 90 %
0 to 90 %
FCC Part 15 Class A
CE, UL, CUL, TUV