

## Communications

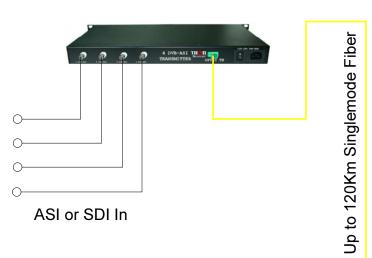
Data Sheet: F-xASI/SDI-Tx/Rx

The F-xASI/SDI is a copper to fiber media adapter for either DVB-ASI or SD-SDI signals. The unit has up to eight channels that work independently of each other. Each channel can carry



either a DVB-ASI signal or an SD-SDI signal. Up to eight channels are then multiplexed onto a single fiber for transport. Our units employ CWDM technology for optical multiplexing. Based on users needs a variety of wavelenghts can be used for the transmitter optics. All transmittion signals are multiplexed onto a single fiber for transport. The signals are then separated at the receiver. The F-xASI/SDI provides up to 8 independent DVB-ASI/SDI pipes. There are BNC connectors for the copper inputs and outputs. The optical connections can be configured for SC, SC(APC), ST, or FC connectors. The F-xASI/SDI features easy to read diagnostic LED's for system and link status.

## Typical L-xASI/SDI-Rx/Tx 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

Optical Wavelength 1310 – 1550 nm FP/DFB
Optical Output Power 6.0 dbm
Optical Budget loss 24 – 32 dB
Optical Return Loss 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 %
Compare to the series of the series of