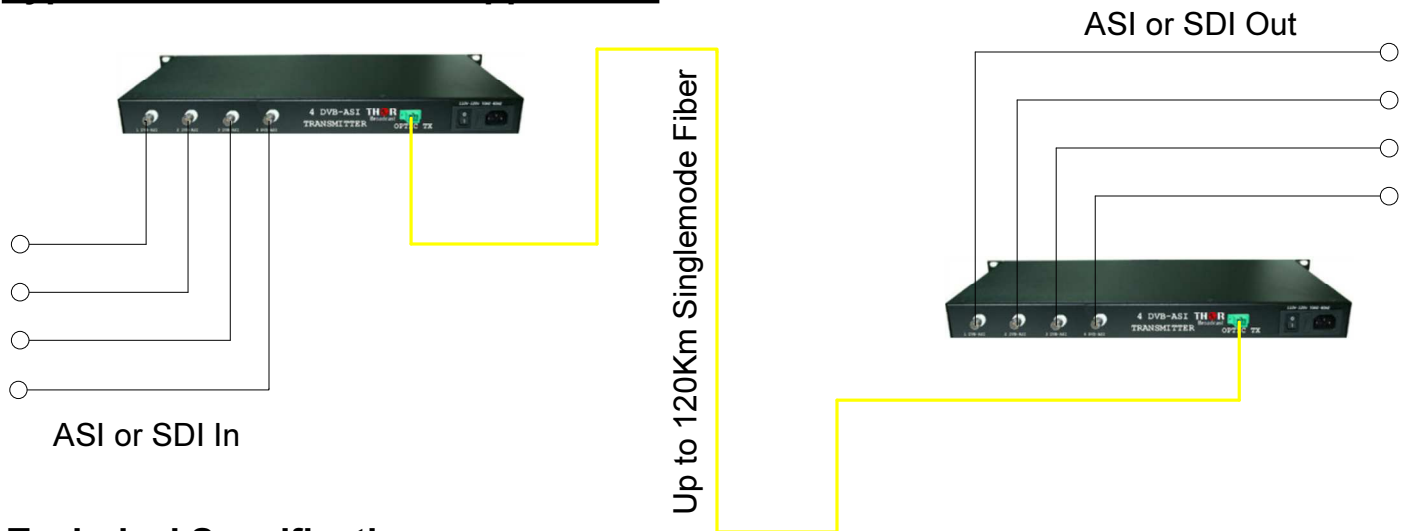


The F-xASI/SDI is a copper to fiber media adapter for either DVB-ASI or SD-SDI signals. The unit has up to eight channels that work independently of each other. Each channel can carry

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 wavelengths can be used for the transmitter optics. All transmission 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<br>SMPTE 31 OM, MPEG2<br>SMPTE 305 540 Mbps<br>HDTV<br>Video On Demand TS<br>MPEG Encoder<br>DVB-ASI<br>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<br>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<br>CE, UL, CUL, TUV    |