

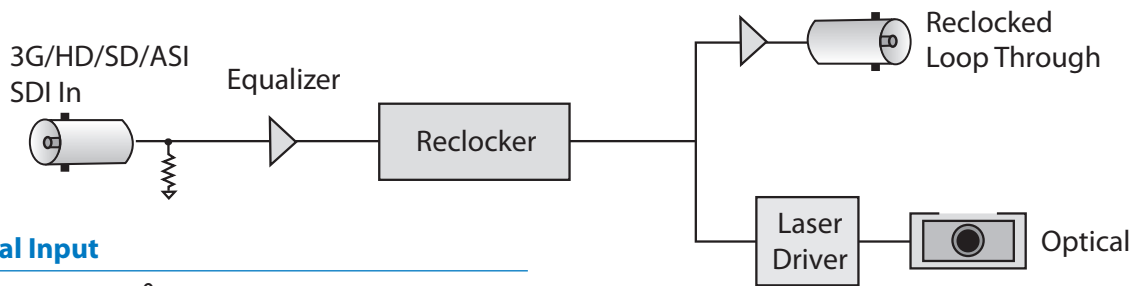
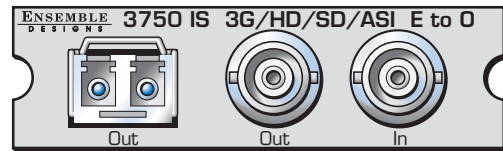
# 3750 IS

## 3G/HD/SD/ASI Electrical to Optical Converter

The Avenue 3750 IS module is an electrical to optical converter that can be used with 3 Gb/s and 1.5 Gb/s high definition signals, standard definition signals or ASI signals. The video input is converted to an optical signal and presented on an optical SC connector. This optical output can drive single mode fiber to a distance of 20 kilometers. With an optical launch power attenuator, multi-mode fiber can also be used. Passes embedded audio.

The 3750 IS and 3760 IS modules are used with the 1RU Intersection frame.

The Avenue Intersection Frame has a standard, built-in system control module that enables the frame to tie into the Avenue Control System, just like any other frame or control surface. The Avenue Intersection frame can be controlled in conjunction with a matched Avenue 3RU frame or it can be controlled as an independent fiber optic I/O unit.



### Serial Digital Input

Number	One
Signal Type	270 Mb/s SD Serial Digital SMPTE 259M or DVB-ASI at 270 Mb/s 1.485 Gb/s HD Serial Digital SMPTE 274M, 292M or 296M 2.97 Gb/s HD Serial Digital SMPTE 424M, 425M
Impedance	75 Ω
Return Loss	>15 dB to 1.485 GHz >10 dB to 2.97 GHz
Max Cable Length	300 meters for 270 Mb/s Belden 1694A 100 meters for 1.485 Gb/s Belden 1694A 70 meters for 2.97 Gb/s Belden 1694A

### Serial Digital Output

Number	One, follows input
Signal Type	270 Mb/s SD Serial Digital SMPTE 259M or DVB-ASI at 270 Mb/s 1.485 Gb/s HD Serial Digital SMPTE 274M, 292M or 296M 2.97 Gb/s HD Serial Digital SMPTE 424M, 425M Follows input
Impedance	75 Ω
Return Loss	>15 dB to 1.485 GHz >10 dB to 2.97 GHz
Output DC	None (AC coupled)

### Optical Output

Number	One
Signal Type	3G/HD/SD/ASI SMPTE 297M, optical equivalent of 259M or DVB-ASI at 270 Mb/s SMPTE 274M, 292M or 296M SMPTE 424M, 425M Follows input
Wavelength	1310 nm (non-CWDM) Wavelengths 170 nm – 1610 nm at 20 nm CWDM spacing available. Call factory for price and specify part number 3750 IS-SP.
Power	-7 dBm
Max Cable Length	20 km
Fiber Type	Single Mode Multi-mode compatible with attenuation at transmit end
Connector	SC/UPC

### General Specifications

Power Consumption	<5.0 watts
Temperature Range	0 to 40°C ambient (all specs met)
Relative Humidity	0 to 95%, noncondensing
Altitude	0 to 10,000 ft