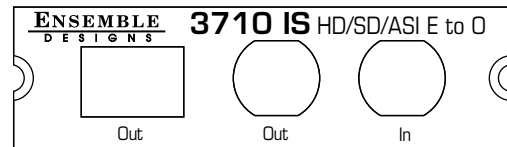## Model 3710 IS

HD /SD /ASI Electrical-to-Optical Converter

The Avenue 3710 IS module is an electrical-to-optical converter that can be used with high definition, standard definition 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.

The 3710 IS electrical-to-optical module is 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.

Features

» Optical-to-Electrical Converter

» Use with HD or SD Signals

» Use with ASI Signals

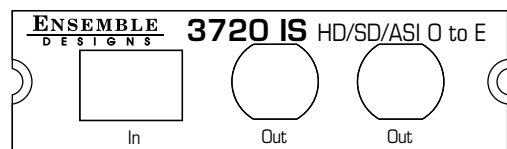» Fits in Avenue Intersection Frame

Model 3720 IS

HD /SD /ASI Optical-to-Electrical Converter

The Avenue 3720 IS module is an optical-to-electrical converter that supports HD, SD, and ASI data rates. The optical input is converted to electrical form and the resulting serial digital signal is reclocked and delivered to two BNC outputs.

The 3720 IS optical-to-electrical module is 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.

Features

» Optical-to-Electrical Converter

» Use with HD or SD Signals

» Use with ASI Signals

» Fits in Avenue Intersection Frame

Model 3710 IS

HD / SD / ASI Electrical-to-Optical Converter

Serial Digital Input

Number	One
Signal Type	270 Mb/s SD Serial Digital SMPTE 259M or DVB-ASI at 270 Mb/s or 1.485 Gb/s HD Serial Digital SMPTE 274M, 292M or 296M
Impedance	75 Ω
Return Loss	>15 dB
Max Cable Length	300 meters for 270 Mb/s 100 meters for 1.485 Gb/s
Automatic Cable Input Equalization	

Serial Digital Output

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

Optical Output

Number	One
Signal Type	HD/SD/ASI SMPTE 297M, optical equivalent of 259M or HD SMPTE 274M, 292M or 296M
Wavelength	1310 nm (1550 by special order)
Power	-7 dBm
Max Cable Length	20 km
Fiber Type	Single mode Multimode compatible with 8 dB 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
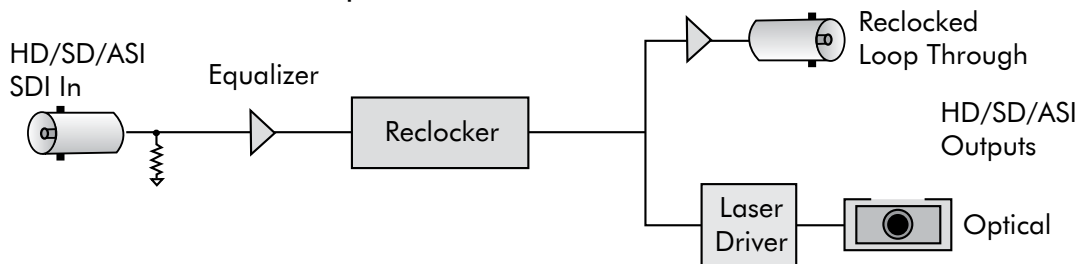
Model 3720 IS

HD / SD / ASI Optical-to-Electrical Converter

Optical Input

Number	One
Signal Type	SD and ASI SMPTE 297M, optical equivalent of 259M or DVB-ASI at 270 Mb/s or HD SMPTE 274M, 292M or 296M
Wavelength	830 to 1550 nm
Receiver Sensitivity	SD and ASI: -18 dBm HD: -18 dBm
Max Cable Length	20 km
Fiber Type	Single mode Multimode compatible with 8 dB attenuation at transmit end
Connector	SC/UPC

Serial Digital Output

Number	Two
Signal Type	270 Mb/s SD Serial Digital SMPTE 259M or DVB-ASI at 270 Mbps or 1.485 Gb/s HD Serial Digital SMPTE 274M, 292M or 296M
Impedance	75 Ω
Return Loss	>15 dB
Max Cable Length	300 meters for 270 Mb/s 100 meters for 1.485 Gb/s

General Specifications

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

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