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

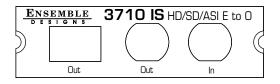
The Avenue 3720 IS module is an optical-to-electrical converter that supports HD, SD, and ASI data rates. The optical input is converted to electrical form and the resulting serial digital signal is reclocked and delivered to two BNC outputs.

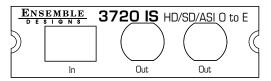
The 3720 IS optical-to-electrical module is used with the 1RU Intersection frame.

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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		Optical Output	
Number	One	Number	One
Signal Type	270 Mb/s SD Serial Digital	Signal Type	HD/SD/ASI
	SMPTE 259M or DVB-ASI at 270		SMPTE 297M, optical equivalent
	Mb/s or 1.485 Gb/s HD Serial		of 259M or
	Digital		HD SMPTE 274M, 292M or 296M
	SMPTE 274M, 292M or 296M	Wavelength	1310 nm (1550 by special order)
Impedance	75 Ω	Power	-7 dBm
Return Loss	>15 dB	Max Cable Length	20 km
Max Cable Length	300 meters for 270 Mb/s	Fiber Type	Single mode
	100 meters for 1.485 Gb/s		Multimode compatible with
Automatic Cable Input I	Equalization		8 dB attenuation at transmit end
· · · ·		Connector	SC/UPC
Serial Digital Output			
Number	One	General Specifications	
Signal Type	HD/SD/ASI Serial Digital	Power Consumption	<5.0 watts
5 71	SMPTE 259M	Temperature Range	0 to 40°C ambient
	DVB-ASI at 270 Mb/s or	· · · · · · · · · · · · · · · · · · ·	(all specs met)
	SMPTE 274M, 292M	Relative Humidity	0 to 95%, noncondensing
	or 296M, follows input	Altitude	0 to 10,000 ft
Impedance	75 Ω	Annual	
Return Loss	>15 dB		
Output DC	None (AC coupled)		
Output De	None (Ac coupled)		
			Reclocked
HD/SD/ASI			Loop Through
SDI In	Equalizer		
			HD/SD/ASI
(((((((((((())	Reclocker		Outputs
			Colpois
*			
			Optical
		Driver L	

Model 3720 IS

HD/SD/ASI Optical-to-Electrical Converter

Optical Input Number Signal Type Wavelength Receiver Sensitivity Max Cable Length Eiber Type	One SD and ASI SMPTE 297M, optical equivalent of 259M or DVB-ASI at 270 Mb/s or HD SMPTE 274M, 292M or 296M 830 to 1550 nm SD and ASI: -18 dBm HD: -18 dBm 20 km Single mode	Serial Digital Output Number Signal Type Impedance Return Loss Max Cable Length	Two 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 75 Ω >15 dB 300 meters for 270 Mb/s 100 meters for 1.485 Gb/s
Fiber Type	Single mode Multimode compatible with 8 dB attenuation at transmit end	General Specifications Power Consumption	<5.0 watts
Connector	SC/UPC	Temperature Range Relative Humidity Altitude	0 to 40°C ambient (all specs met) 0 to 95%, non-condensing 0 to 10,000 ft
HD/SD/ASI Optical In	_	HD/SD/ASI SDI Outputs	

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Reclocker