

SYN8815 Fibre Optic Single Channel Video Modem

The Synectics™ SYN8815 Fibre Optic Video Modem offers full quality and reliable high resolution connections for CCTV systems.



Small enough to fit in most COEX™ camera housings, the Synectics™ SYN8815 module offers quick installation without the need for an additional housing. The Synectics™ SYN8815 card can fit neatly into your equipment cabinet by using the SYN350 and SYN370 fibre optic card cages.

The Synectics™ SYN8815 is designed for high quality CCTV networks requiring video transmission between cameras and their control centre.

- Very high performance surveillance systems where high resolution or long transmission distances are required
- Ideal for CCTV systems in sectors such as onshore Oil & Gas sites, safe cities and transportation communication systems

Features

- Bandwidth of 10MHz
- Operating range of at least 3km on multimode and 100km on singlemode fibre, depending on optical devices
- Performance is maintained at the same high quality over all link lengths
- Adjustment-free receiver operation
- Small size, low cost, robust and reliable
- Broadcast quality 10 bit video
- Available as a small standalone module or as a card which plugs into the SYN-350 or SYN-370 chassis

Options

- Singlemode
- Multimode
- Available as a Card or Module Version

Specifications

ENVIRONMENTAL		[OPTIONS]
Operating Temperature	-20°C to +75°C	
Relative Humidity	0-95% Non-condensing	
MECHANICAL		
Card Dimensions (W x D x H)	25 x 208 x 100 mm	
Module Dimensions (W x D x H)	60 x 94 x 26 mm	
Card Weight	200 g	
Module Weight	200 g	
ELECTRICAL		
Power Requirements	+9 to 20Vdc or 9 to 15Vac @ 2VA	
Power Connector	2-pin power socket	
Input / Output Impedance	75Ω	
Input / Output Level	1Vpp nominal	
Input / Output Interface	Composite	
Video Connector	BNC	
Bandwidth	5Hz to 10MHz ±1dB	
Weighted Video Signal to Noise Ratio	>65dB at all receive levels over full dynamic range	
Weighted Video SNR with Audio Option	>63dB at all receive levels over full dynamic range	
Differential Gain	<0.7%	
Differential Phase	<0.7°	
OPTICAL		
Optical Connectors	ST standard, others optional	
Transmitter Wavelength	1310nm	
Transmitter Coupled Power	-11 to -4dBm into multimode fibre -13 to -8dBm into singlemode fibre	
Receiver Sensitivity	<-28dBm	
Receiver Saturation	>-3dBm	
Link Distances	>3 km multimode (fibre bandwidth limited) >30 km singlemode (fibre loss limited)	
OPTIONAL AUDIO CHANNELS		
Number of Channels	2	
Audio Bandwidth	10Hz to 20kHz +1, -3dB	
Audio Output / Input Impedance	>10KΩ / <200Ω	
Audio Input Level	250mVrms nominal	
Audio Output Level	250mVrms nominal	
Audio Headroom	15dB	
Audio Weighted Signal to Noise Ratio	>90dB at maximum level	
Audio Distortion	<0.05%	
Audio Connector	3.5 mm stereo socket	
INDICATORS		
Indicators	Video Present Laser OK (SYN-8815T only) Receive Signal OK (SYN-8815R only)	

Synectics

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Specifications subject to change. E & OE.

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MANUFACTURER OF



CAMERA STATIONS

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