

# SYN-8865 Digital Triple Video Receiver Card

Ideal for CCTV systems in sectors such as onshore Oil & Gas sites, safe cities and transportation communication systems



Very high performance surveillance systems where high resolution or long transmission distances are required.

## Features

- 3 video receivers built on one card
- Broadcast quality 10 bit video, bandwidth of 10MHz
- Works with SYN-8815T over an operating range of at least 3 km on multimode, 30 km on singlemode with greater than 100 km possible on singlemode with optional optical devices
- Performance is maintained at the same high quality over all link lengths
- Adjustment-free receiver operation
- Provide many channels of video reception in a compact 19" rack mounting configuration (usually in control room)

# Specifications

## ENVIRONMENTAL

Operating Temperature	-20°C to +75°C
Relative Humidity	0 to 95% non-condensing

## MECHANICAL

Card Dimensions (W x D x H)	25 x 208 x 100 mm
Card Weight	200 g

## ELECTRICAL

Power Requirements	+9 to +24Vdc @ 5VA
Chassis Current Consumption (CCC)	0.40 Amp
Number of Channels	3
Output Impedance	75Ω
Output Level	1Vpp nominal
Output Interface	Composite via BNC Connector
Bandwidth	5Hz to 10MHz ±1dB
Weighted Signal to Noise Ratio	>65dB at all receive levels over full dynamic range
Differential Gain	<0.7%
Differential Phase	<0.7°

## OPTICAL

Optical Connectors	ST standard, others optional
Fibres Required	3
Operating Wavelength	1250 – 1610 nm
Receiver Sensitivity	<-28dBm
Receiver Saturation	>-3dBm
Link Distance when working with SYN-8815T	>3 km multimode (fibre bandwidth limited) >30 km singlemode (fibre loss limited)

## INDICATORS

Indicators	Video Present x 3 Receive Signal OK x 3
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### Synectic Systems

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Specifications subject to change. E & OE.

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MANUFACTURER OF  
  
 CAMERA STATIONS

Literature Reference:  
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