

# COEX™ Ex e mb Power Supply Unit

The COEX™ ExJB PSU with fiber converter has been developed to work exclusively with the C3000 range of camera stations, providing a local low voltage supply, fiber conversion and cable termination for hazardous area applications.



The 316L stainless steel enclosure combined with a unique design of the Ex e mb product eliminates the need for an Ex d junction box. The ExJB range is unique in its ability to house a transformer and fiber converter without the need for an expensive Ex d junction box, a world first for the hazardous area CCTV industry.

## Features

- Ex e mb combined increased safety rating
- Enclosed system ensures high performance in all climates
- Electro-polished 316L stainless steel, for maximum corrosion resistance
- IP66 & IP67 Rated

## Options

- Analog to fiber converter
- Dual analog to fiber converter
- Ethernet to fiber converter
- Singlemode or multimode
- ST or SC configuration
- Lockable front cover
- Painted finish on external surfaces
- Removable sunshield

# Specifications

CERTIFICATIONS / RATINGS		[OPTIONS]
ATEX / IECEx	Ex e mb IICT4-T5 Gb and Ex tb IIIC T94° Db	
EMC	EN61000-6-4, EN 61000-6-2, EN61000-6-4, EN61000-3-2 & 3-3, EN55022, EN55024	
CE	CE Compliant	
Ingress Protection	IP66 or IP67 to IEC 60529	
C-Tick	On Request	

ENVIRONMENTAL	
Rated Temperature	-55°C to +60°C (T5)

MECHANICAL	
Material	Electro-polished 316L stainless steel
Mounting	4 x M6 (fixing kit included)
Gland Entries	4 x M20 and 2 x M25
Dimensions (W x D x H)	444 x 130.5 x 444 mm / 17.48" x 5.14" x 17.48"
Weight Empty	10.6 kg / 23.37 lbs
Weight Full*1	13 kg / 28.66 lbs

ELECTRICAL	
Supply Voltage	115 or 230VAC 50/60Hz ±10%
Power Consumption	100VA maximum
Inrush Current	40A

FIBER OPTIC TRANSCEIVER	Power Supply-ExJB-5SS-FA[A]		Power Supply-ExJB-5SS-FI	
Fiber Model	SYN-8817		SYN-2041	
Data Interface	TTL, RS422 and RS485; 31kHz Manchester or Bi-phase possible in either direction		IEEE 802.3 Ethernet	
Data Rate	DC to >500kbps at less than 15% pulse width distortion		10/100Mbps	
Operating Mode	Duplex		Half or Full Duplex (Auto Sensing)	
Optical Connectors	ST or SC		ST or SC	
Number of Fibers Required	1 fiber		2 fibers	
	Singlemode	Multimode	Singlemode	Multimode
Standard Optical Link Budget	>14dB: >30km @ 1310nm	>16dB: >3km @ 1310nm	>18dB: >40km @ 1310nm	>18dB: >3km @ 1310nm
Transmitter Wavelength	1310nm	1310nm	1310nm	1310nm
Transmitter Optical Power	-10 to -5dBm	-13 to -8dBm	-15 to -8dBm	-13 to -4dBm
Sensitivity	<-35dBm		<-33dBm	
Receiver Saturation	>-6dBm		>-2dBm	

NOTE: \*1 Dependant on equipment fitted.

## Synectics

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Specifications subject to change. E & OE.

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MANUFACTURER OF



CAMERA STATIONS

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