



# BCXP40-P

Explosion Protected  
IP PTZ Camera Station

## Product Overview:

The BCXP40-IP is an explosion-protected PTZ camera station designed for use in hazardous areas in onshore, offshore, marine and heavy industrial environments. The units are certified for use in Zone 1 and Zone 2, Category 2G (Gas) and Zone 21 and Zone 22, Category 2D (Dust), Group IIC.

It is constructed from electropolished 316L stainless steel for maximum corrosion protection and are fitted as standard with a sunshield, integral wiper, integral thermostatically controlled heater element and washer pump that links to a 5, 10 or 25 litre container mounted up to 6m below the camera height.

Fitted as standard is a 20X 1/4" Double Density Interline Transfer CCD.

The BCXP40-IP can be fitted as an option with an integral SM/MM fibre optic transmitter which can be used in conjunction with cabinet mounted Optical Receiver Cards and X-Stream IP Encoders if required.

The BCXP range can be used in conjunction with Seetec video management solutions but is designed be compatible with most common Video Management Systems

## Product Features:

- ◆ ATEX, IECEx, CCOE, INMETRO Approved
- ◆ Onshore, Offshore, Marine & Heavy Industrial Applications in Zones 1, 2, 21 & 22
- ◆ Certified to the Latest Version of EN 60079-0 (2009) and EN 60079-31 (2009)
- ◆ 1/4" 20X HD Optic Zoom IP Modules
- ◆ Integral SM/MM Fibre Transmitter Option
- ◆ Integral Wiper and Washer Pump
- ◆ Variable Speed Up to 45°/Sec Pan and 24°/Sec Tilt Speeds
- ◆ All Electro-polished 316L Stainless Steel Construction
- ◆ Fixed Cable Entry, No Trailing Cables
- ◆ Integral Multi-Protocol Telemetry Receiver

## Technical Specifications:

Camera Housing	BCXP40-P
Certification Part Number	2410-03 / 2420-01
Application	Zones 1, 2, 21 and 22. Onshore, Offshore, Marine and Heavy Industrial
ATEX Certification	II 2 G Ex d op pr IIC T4 (T5 & T6 Available on Request) II 2 D Ex tb IIIC T135° Db IP6x
IECEX	IECEXITS10.0063X
CCOE	P306928/1
Ingress Protection Rating	IP66/67
<b>Features</b>	
Sun Shield	Standard
Integral Wiper	Standard
Internal Demister	Standard
Internal Washer Pump	Standard
Washer Systems	Compatible with Oxalis XW 5, 10 or 25 Litre Washer Tanks (See Separate Datasheets)
Pan Speed (Maximum)	45° Per Second
Tilt Speed (Maximum)	24° Per Second
Pre-set Positional Accuracy	64 Presets: Positional Accuracy ±0.1°
Telemetry Receiver	Integral - Pelco D, P Standard Protocols (Others to Specification)
Rotation	355° (+/- 175°)
<b>Electrical</b>	
Supply Voltage	24 VAC 50/60Hz, 110-230 VAC
Power Consumption	85W Maximum
Electrical Connections	Base Mounted Terminal Block Containing Power, Video and Data Optional Integral Base Mounted Analogue Fibre Transmitter (SM / MM)
<b>Mechanical</b>	
Body Material	Electropolished 316L Stainless Steel
Fixings Material	A4 Stainless Steel
Camera Station Window	Toughened Borosilicate Glass, Precision Polished
Mounting Options	Pole or Wall (See Separate Datasheets)
Impact Resistance	To BS EN 60079-0
Vibration Resistance	To EIC 6800-2-6
Operating Temperature	-40°C to +60°C (-60°C Optional)
Housing (Length mm)	400
Weight	53Kg
Camera Options	¼" Analogue Zoom Module (PAL/NTSC)
Manufacturer	Various
<b>CCD</b>	
Size	1/4 inch, D- Density Interline Transfer CCD
Effective Pixels	Approx 437600
<b>Optics</b>	
Optical Zoom	20X: f=3.5 to 89.5 mm (F 1.6 to 3.9) or 30x
Min. Focus Distance	1500 mm
Digital Zoom	12X
Angle Field of View	Horizontal: Approx. 55.5°(Wide) to 1.59
<b>Sync</b>	
Scanning System	Internal 2:1 Interlace
<b>Electrical</b>	
Resolution	Full 1080P HD
Min. Illumination	Colour: 0.7 Lux F1.6 (50 IRE) B/W: 0.06 Lux / F1.6 (50 IRE)
S/N Ratio	50 dB (AGC Off, Weight ON)
Video Output	TCP/IP
Focus	Auto / Manual
IRIS Control	Auto / Manual
Character Generation / OSD	On / Off
Day & Night	Auto IR-Cut Filter
Backlight	WDR On / Off
Electronic Shutter Speed	Auto
<b>Further Options</b>	
Conduit Tail ("Pigtail")	Flexible conduit tail in lengths of 1.5 – 12m with Ex d Glands for Connection of Camera to External Enclosure
Enclosures / Control Panels	Ex d Control Panels or Ex e Termination Enclosures configured for power supply, fibre transmission, IP Encoding, Splice Trays or other Equipment to Specification
Fibre Transmission	Rack Mounted Receivers for 19" Cabinet Mounting with PSU



**GA Drawing:**

