



BCXF40

Explosion Protected IP Fixed Camera Station

Product Overview:

The BCXF40IP is an explosion-protected fixed 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 is fitted as standard with a sunshield and an integral thermostatically controlled heater element.

Fitted as standard is a choice of HD 18x optical varifocal camera (other lens options on request), Density Interline Transfer CCD module.

The BCXF40IP can be specified as an option with an integral SM/MM fibre optic transmitter which can be used in conjunction with cabinet mounted Optical Receiver Cards and IP Encoders if required.

The pressurised washer pump is compatible with the BCXF40IP with the wiper option and is switched via the camera station's internal telemetry receiver. It can also be specified with a conduit tails (standard 3m length with options from 1.5 to 15m to suit site requirements).

It can also be utilised with a range of enclosures and control panels (Ex e and EX d options) for termination or for the installation of power supplies, powered devices and transmission equipment.

The BCXF40IP can be used in conjunction with Seetec video management solutions (matrix and IP based) but is designed to 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)
- ◆ ¼" 18X Zoom or Varifocal Options and Zoom Options
- ◆ Integral SM/MM Fibre Transmitter Option
- ◆ All Electro-polished 316L Stainless Steel Construction
- ◆ Integral Wiper
- ◆ Optional Ex Washer Tank
- ◆ 24VAC Input Voltage
- ◆ IP



Technical Specifications:

Camera Housing	XF40-IP
Certification Part Number	1410-XX (Depending on Options Selected)
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
COCC	P306928/2
Ingress Protection Rating	IP66/67
Features	
Sun Shield	Standard
Integral Wiper	Optional
Internal Demister	Standard
Internal Washer Pump	N/A
Washer Systems	Compatible with XWP Model (See Separate Datasheets)
Telemetry Receiver	Integral - Pelco D, P Standard Protocols (Others to Specification)
Electrical	
Supply Voltage	24 VAC 50/60H
Power Consumption	25W Maximum
Electrical Connections	Terminal Block Containing Power, Video and Data. Optional Integral Media Converter.
Mechanical	
Body Material	Electropolished 316L Stainless Steel
Fixings Material	316L 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 IEC 6800-2-6
Operating Temperature	-40°C to +60°C (-60°C Optional)
Housing (Length mm)	400
Weight	14.5Kg
Camera	18X HD-IP Network Camera
Manufacturer	AXIS or free issue
Video	
Video	PAL / NTSC
Effective Pixels	1920 x 1080
Optics	
Focal Length	4.7 – 84.6mm (F1.6 wide, F2.8 tele)
Optical Zoom	18X
Digital Zoom	8X
Angle Field of View	61.5° wide to 3.3° tele
Sync	
Scanning System	Sony Progressive CMOS
Streaming	
Stream 1	H.264 - 1080p30, H.264 - 1080p15, H.264 - 720p30, MJPEG - 1080p30
Stream 2	H.264 – D1 30fps, MJPEG – D1 30fps, H.264 – 1080p15, MJPEG – 1080p15, H.264 – 720p30, MJPEG – 720p30
Output Resolutions	1080p, 720p, XGA, SVGA, D1, VGA, CIF
Network	
Interface	10/100Mbps Ethernet (RJ45)
Electrical	
Min. Illumination	Colour: 0.2 Lux, B/W: 0.02 Lux
S/N Ratio	>40dB (AGC Off)
Video Output	2 x H.264 or H.264 - MJPEG
Analogue Video Output	BNC 1.0Vp-p/75Ω
Hue	Manual
Exposure	Auto / Manual
Sharpness	Manual
Day & Night (IR-Cut Filter)	Auto / On / Off
Gain Control	On / Off
White Balance	Auto / Manual
Wide Dynamic Range	On / Off
Backlight	On / Off
Electronic Shutter Speed	1 – 1/1000 sec
Further Options	
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, Media Conversion, Splice Trays or other Equipment to Specification
Information	
Information is a guide only and subject to change without notification. E&OE.	





GA Drawing:

