XFG1 GRP Fixed HD IP Camera

Ex d, weatherproof, fixed camera station

Overview

The Oxalis XFG fixed camera station has been designed for use in potentially explosive atmospheres and harsh environmental conditions - suitable for use both offshore or onshore, where light weight combined with corrosion resistance is required.

Built upon the proven Eaton MEDC expertise, the housing is made from a UV stable glass reinforced polyester and supplied with a 316L stainless steel mounting bracket ensuring a totally corrosion free product.

With its multiple voltage options, lens choice, worldwide certification and wide operating temperature, the XFG is suitable for most applications.
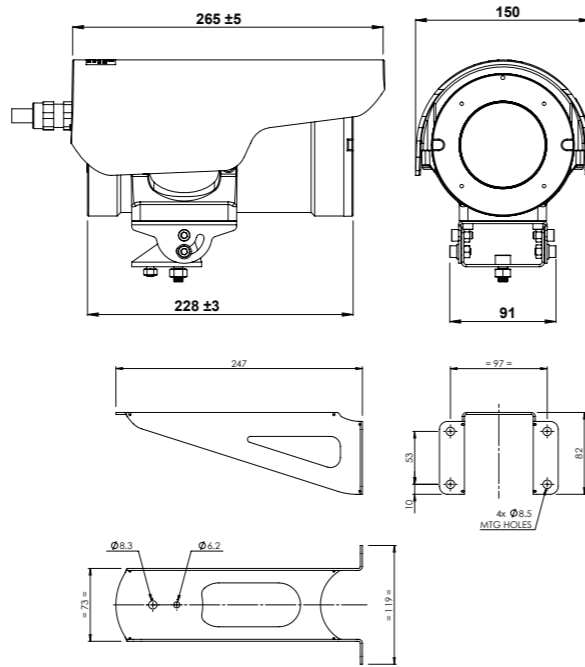
Features

- ATEX, IECEx and CCOE, Zone 1, 2, 21 & 22

- Ex db IIB T4/T5/T6, Ex tb IIIC T135/T100/T85°C

- IP66 and IP67

- Certified and operating temperature range from -60° to +70°C

- Corrosion free GRP

- Supply voltage 12 VDC, 24 VDC, 24 VAC, 220 VAC, PoE

- Optional fibre transmission

- Various cable tail lengths

ATEX *IECEx*

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Certifications

ATEX Ex d	Cert No. ATEX SGS20ATEX0073X Certified to: EN60079-0, EN60079-1, EN60079-31 Ex II 2GD Ex db IIB T4/T5/T6 Gb, Ex tb IIIC T135/T100/T85°C Db
IECEx Ex d	Cert No. IECEx BAS 20.0031X Certified to: IEC60079-0, IEC60079-1, IEC60079-31 Ex db IIB T4/T5/T6 Gb, Ex tb IIIC T135/T100/T85°C Db
CCOE	Cert No. P542322/1 Ex db IIB T4/T5/T6 Gb, Ex tb IIIC T135/T100/T85°C Db

General arrangement drawing (all dimensions in mm)

Specifications

Features

Body	Flame retardant, UV stable, glass reinforced polyester, 5VA flammability rating
Sun shield	Flame retardant, UV stable, glass reinforced polyester, VO flammability rating
Camera station window	Toughened glass
Fixings material	316L stainless steel
Integral demister	Standard
IP direct fibre out options	Optional media convertor, simplex/duplex singlemode 9/125μm or multimode 50/125μm, 10/100Mb Ethernet, IEE 802.3
Operating temperature	From -60° to +70°C
Mounting options	Supplied with swivel and wall mounting bracket. Swivel range pan 200°, tilt 15° up, 80° down. (Tilt is interchangeable)
Ingress Protection Rating	IP66, IP67
Weight (kg)	up to 4 kg including sunshield, 6 kg including mounting brackets

Electrical

Supply voltage options	12VDC, 24VDC, 24VAC, 220 VAC or PoE
Power consumption	12VDC, 24VAC/DC, 13W nominal, (24W @ -20°C, 43W @ -40°C, 63W @ -60°C with low temperature operation). 220VAC 13W nominal (63W @ -20°C, -40°C, -60°C with low temperature operation) POE 10W nominal, (20W @ -20°C, 36W @ -40°C, 52W @ -60°C with low temperature operation)
Cable Entry	Product is supplied with conduit tail, length selectable in order code. Power cables 1mm ≤10m, 1.5mm ≤15m.

Camera options

22x zoom 3MP HD IP camera

Image sensor	Progressive scan CMOS 1/2.8"
Resolution	2304 x 1296 @ 30fps
Lens	22x optical zoom 5.2~114.4mm F1.5~F3.8, horizontal angle of view 53.74° - 2.96°
Min. illumination	Colour : 0.002Lux (F1.5, AGC ON), B/W 0.001Lux (F1.5, AGC ON)
Streaming	Triple streams in H.264, H.265
Features	AGC, AE, AWB, TDN, DNR, BLC, EIS, WDR, Defog, OSD, Day & Night Auto Colour/BW (IR-cut with auto switch)
Standards protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP.

33x zoom 3MP network camera

Image Sensor	Progressive scan CMOS 1/2.8"
Resolution	2304 x 1296 @ 60fps
Lens	33x optical zoom 4.5~148.5mm F1.5~F4.0, horizontal angle of view 62.93° - 3.67°
Min. Illumination	Colour : 0.001Lux (F1.5, AGC ON), B/W 0.0005Lux (F1.5, AGC ON)
Streaming	Five streams in H.264, H.265
Features	AGC, AE, AWB, TDN, DNR, BLC, EIS, WDR, Defog, OSD, Day & Night Auto Colour/BW (IR-cut with auto switch)
Standards Protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP.

Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box

XFG1 [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Housing type	Code
Visual camera housing	V

Wiper options	Code
No wiper	N

Video type	Code
IP	I

Day/night module	Code
22x zoom 3MP HD IP camera	U
33x zoom 3MP HD IP camera	V

Thermal core module	Code
No thermal core	N

Thermal core lens	Code
No thermal imaging lens	N

Video system	Code
IP	I

Supply voltage	Code
12VDC =/-10%	7
24VDC =/-10%	4
24VAC =/-10%	1
220Vac +/- 10%	8
POE	5

Protocol requirements	Code
Not Applicable	N

Camera rotation	Code
Not applicable	N

Certification	Code
ATEX	A
IECEx	I

Temperature type	Code
T4/T5/T6 -60 to +70/+55/+40˚C	L
T4/T5/T6 -40 to +70/+55/+40°	P
T4/T5/T6 -20 to +70/+55/+40°	Q

Transmission type	Code
Standard electrical	0
Simplex singlemode 9/125μm	3
Simplex multimode 50/125μm	4
Duplex singlemode 9/125μm	6
Duplex multimode 50/125μm	7

Cable Tail Length	Code
3 metre	03
5 metre	05
7 metre	07
10 metre	10
15 metre	15
Specify Length	*S