

XF40 day/night HD IP series

Explosion proof, fixed
camera station



Overview

The Oxalis XF40 is an explosion protected fixed camera housing for use in hazardous areas in onshore, offshore, marine and heavy industrial environments.

The camera housings are designed for longevity in harsh environments with minimal maintenance.

Features

- ATEX, IECEx, Class 1 Division 1 and Zone 1 certified
- Electro-polished 316L stainless steel on all welded assemblies
- Camera station window in toughened glass
- Pole or wall mounting options (see separate datasheets)
- Supply voltage (24 VAC)
- Operating temperature -60°C to +70°C*
- IP66/67 (IP68)

*Model dependent



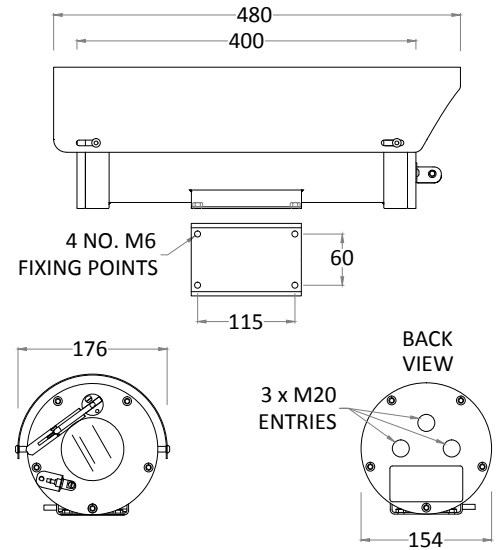
Certifications

ATEX	II 2 G Ex db (op pr) IIC T4 Gb -60°C to +70°C II 2 D Ex tb (op pr) IIIC T140°C Db IP6x On Request: T5 -60°C to +65°C, T6 -60°C to +40°C On request: T135 -60°C to +65°C Certificate: ITS16ATEX101021X	cLC CSA	Ex d IIC T4 (T5 On Request) LC1311396 -60°C ≤Ta ≤ +60°C. CAN CSA-C22.2 No.60079-0:2011 & 60079-1-2012 Certificate: 11396-1S-CSA
IECEX	Ex db (op pr) IIC T4 Gb -60°C to +70°C Ex tb (op pr) IIIC T140°C Db IP6x On Request: T5 -60°C to +65°C, T6 -60°C to +40°C On request: T135 -60°C to +65°C Certificate: IECEX ITS 15.0068X	TR CU, EAC	1 Ex db (op pr) IIC T4 Gb -60°C to +70°C Ex tb (op pr) IIIC T140°C Db IP6x On Request: T5 -60°C to +65°C, T6 -60°C to +40°C On request: T135 -60°C to +65°C Certificate: TCRUCGB.T'B04.B00587
INMETRO	Ex db (op pr) IIC T4 Gb -60°C to +70°C Ex tb (op pr) IIIC T140°C Db IP6x On Request: T5 -60°C to +65°C, T6 -60°C to +40°C On request: T135 -60°C to +65°C Certificate: ULBR 17.0063X	CCOE	Ex db (op pr) IIC T4 Gb -60°C to +70°C Ex tb (op pr) IIIC T140°C Db IP6x On Request: T5 -60°C to +65°C, T6 -60°C to +40°C On request: T135 -60°C to +65°C Certificate: P400546/1
LCus CI/ZI	Class 1 Zone 1 A Ex d IIC T4 (T5 On Request) LC13A11396 Gb -60°C ≤Ta ≤ +60°C. UL 60079-0:2009 & 60079-1:2010 Certificate: 11396-1S-UL	CNEX	Ex db (op pr) IIC T4 Gb -60°C to +70°C Ex tb (op pr) IIIC T140°C Db IP6x On Request: T5 -60°C to +65°C, T6 -60°C to +40°C On request: T135 -60°C to +65°C Certificate: 17.1235X
cLCus CI/DI	Class I, Division 1, Groups B, C, D, -60°C ≤Ta ≤ 60°C T4 Class II, Division 1, Groups E, F, G IP67 CSA-C22.2 No:30-M1986 No:25-1966(R2009) CSA-C22.2 No:60065-03(R2012) & UL1203,UL60065(ED.7) Certificate: 11671-1S (Gas) / 11677-1S (Dust)	CERTEX	Ex db (op pr) IIC T4 Gb -60°C to +70°C Ex tb (op pr) IIIC T140°C Db IP6x On Request: T5 -60°C to +65°C, T6 -60°C to +40°C On request: T135 -60°C to +65°C Certificate: S-XLP/17.0244X

Specifications

Certification part number	Housing options 1410-15-01, 1410-06, 1410-07, 2410-03		
Features	Electrical		
Sun shield	Standard stainless steel 316L mirror finish	Supply voltage options	24 VAC
Integral wiper	Optional (silicone wiper blades that are resistant and do not perish after long exposure to ozone, UV, ice, snow, heat or cold)	Power consumption	37W maximum (65W with low temperature operation)
Integral demister	Standard	Electrical connections	Terminal block for power, data and video specific to camera configuration
Washer systems	Compatible with Oxalis XW or XWP washer tanks (see datasheets)	Cable entry	Three M20 entries located in housing rear flange
Telemetry receiver	Integral - Pelco D, P	Mechanical	
IP direct fibre out options	Optional media converter, simplex singlemode 9/125µm or multimode 50/125µm, 10/100Mb Ethernet, IEEE 802.3	Body material	Electro-polished 316L stainless steel on all welded assemblies
IP over coax	Optional integrated IP Ethernet-over-coax converter (must be used with compatible Rx equipment)	Fixings material	A4 stainless steel
Type approval	DNVGLCG-0339, 2016 (copper transmission only)	Camera station window	Toughened glass
Ingress protection rating	IP66/67, IP68 (1.5m for 24 hours)	Mounting options	Pole or wall (see separate datasheets)
Weight (Kg)	Up to 15Kg depending on configuration	Operating temperature	From -60°C to +70°C (model dependent)
Camera options			
32x XNZ-6320 HP IP camera		22x zoom 3MP HD IP camera	
Image sensor	Progressive scan CMOS 1/2.8"	Image sensor	Progressive scan CMOS 1/2.8"
Resolution	Resolution: 1920x1080 @60fps to 320x240	Resolution	2304 x 1296 @ 30fps
Lens	32x optical 32x digital zoom 4.44-142.6 mm F1.6 to F4.4, horizontal angle of view 61.8° - 2.19°	Lens	22x optical zoom 5.2~114.4mm F1.5~F3.8, horizontal angle of view 53.74° - 2.96°
Min. illumination	Colour : 0.05Lux (1/30sec, F1.6, 50IRE), B/W : 0.005Lux (1/30sec, F1.6, 50IRE)	Min. illumination	Colour : 0.002Lux (F1.5, AGC ON), B/W 0.001Lux (F1.5, AGC ON)
Streaming	H.264, H.265 MJPEG dual codec, multiple streaming, VBR/CBR	Streaming	Triple streams in H.264, H.265
Features	Intelligent video analytics, motion detection, day & night (ICR), WDR (150dB), auto focus, auto Iris, AGC, SSDR, ATW, SSNR III, BLC, DIS, Defog	Features	AGC, AE,AWB,TDN,DNR,BLC,EIS,WDR,Defog,OSD,Day & Night Auto Colour/BW (IR-cut with auto switch)
Standards protocols	ONVIF Profile S, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, RTPSP, NTP, HTTP, HTTPS, SSL, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour	Standards protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP.
33x zoom 3MP HD IP camera		22x zoom 5MP HD IP camera	
Image Sensor	Progressive scan CMOS 1/2.8"	Image Sensor	Progressive scan CMOS 1/2.7"
Resolution	2304 x 1296 @ 60fps	Resolution	2880 x 1620 @ 30fps
Lens	33x optical zoom 4.5~148.5mm F1.5~F4.0, horizontal angle of view 62.93° - 3.67°	Lens	22x optical zoom 5.2~114.4mm F1.5~F3.8, horizontal angle of view 55.46° - 3.09°
Min. Illumination	Colour : 0.001Lux (F1.5, AGC ON), B/W 0.0005Lux (F1.5, AGC ON)	Min. Illumination	Colour : 0.003Lux (F1.5, AGC ON), B/W 0.001Lux (F1.5, AGC ON)
Streaming	Five streams in H.264, H.265	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)	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.	Standards Protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP.

General arrangement drawing (all dimensions in mm)



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

XF40

Housing type

Visual camera housing

Code

V

Wiper options

Integral wiper with switched 24VAC for external washer pump
No wiper

Code

E
N

Video type

IP

Code

I

Day/night module

32x zoom 2MP HD IP camera
22x zoom 3MP HD IP camera
33x zoom 3MP HD IP camera
22x zoom 5MP HD IP camera

Code

P
U
V
W

Thermal core module

No thermal core

Code

N

Thermal core lens

No thermal imaging lens

Code

N

Video system

IP

Code

I

Supply voltage

24 VAC ±10% 50/60 Hz
Special - price on application

Code

1
S

Camera rotation

Not applicable

Code

N

Transmission type

Standard electrical
Simplex singlemode
9/125µm ethernet
Simplex multimode
50/125µm ethernet
IP over coax
Customer specific transmission device

Code

0
3
4
5
C

Temperature type

T4, -20°C to +70°C*
T4, -40°C to +70°C*
T4, -20°C to +60°C
T4, -40°C to +60°C
T4, -60°C to +40°C
T5, -20°C to +65°C*
T5, -40°C to +65°C*
T5, -20°C to +60°C*
T5, -40°C to +60°C*
T5, -60°C to +40°C*
T6, -20°C to +40°C*
T6, -40°C to +40°C*
T6, -60°C to +40°C*

Code

A
B
1
2
3
C
D
4
5
6
7
8
9

Certification

ATEX
IECEX
INMETRO
LCus C1, Z1
cLC CSA
TR CU, EAC
CCOE
CNEX
CERTEX

Code

A
I
M
U
Z
C
R
D
X
T

Protocol requirements

Pelco D protocol, baud rate 2400bps

Code

D

*Subject to configuration restrictions