

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



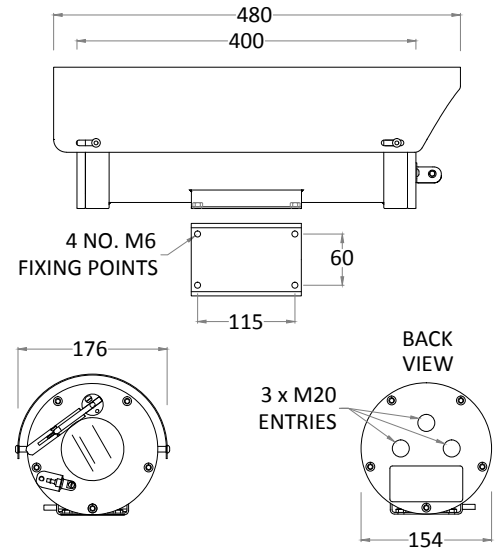
Certifications

ATEX	II 2 G Ex db (op pr) IICT 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 IICT 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) IICT 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) IICT 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.IT504.B00587
INMETRO	Ex db (op pr) IICT 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) IICT 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 IICT 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) IICT 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) IICT 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/170244X

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)
		Operating temperature	From -60°C to +70°C (model dependent)
		Weight (Kg)	Up to 15Kg depending on configuration
Camera options			
30x zoom 1080p network camera		20x zoom 1080p network camera	
Image sensor	1/2.8" Exmor CMOS	Image sensor	Progressive scan CMOS 1/2.8"
Resolution	1920x1080 @60fps to 352x240	Resolution	1920x1080 30fps
Lens	30x zoom 4.3-129 mm F1.6 to F4.7, horizontal angle of view 67.7° - 2.3°, 12X digital zoom, auto focus, auto Iris	Lens	20x zoom 4.7-94mm F1.6 to F3.5, angle of view 61.4° - 2.9°, 10X digital zoom, auto focus, auto Iris
Min. illumination	Colour ICR-Off:0.35 Lux(1/30 Sec,50IRE)0.05 Lux(1/4 sec,1/3 sec,50IRE) B/W ICR-On:0.013 lx(1/30 sec,50IRE)0.002 lx(1/4 sec,1/3 sec, 30IRE)	Min. illumination	Color: 0.05Lux @ (F1.6, AGC ON) B/W: 0.01Lux @ (F1.6, AGC ON)
Streaming	Primary: H.264, secondary x3: H.264/MJPEG, VBR/CBR	Streaming	Dual streams in H.264 and motion JPEG, VBR/CBR
Features	AGC, AE, AWB, TDN, DNR, BLC, ACCE, DSS, WDR, EIS, defog, OSD	Features	BLC, AGC, AWB, WDR, DNR, OSD, day & night auto/colour / BW (IR-Cut filter removable)
Standards protocols	ONVIF Profile S, PSIA - IPv4/6, TCP, UDP, HTTP, HTTPS, IGMP(Multicast), DHCP, FTP, RTP RTSP, SNMP, SMTP, UPnP, DDNS, WS-Discovery, zero configuration	Standards protocols	ONVIF, PSIA, CGI - TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6
18x Q1765 network camera		32x SNZ-6320 HD IP camera	
Image sensor	Progressive scan RGB CMOS 1/2.9"	Image sensor	Progressive scan CMOS 1/2.8"
Resolution	1920x1080 (HDTV 1080p) to 320x180	Resolution	Resolution: 1920x1080 @60fps to 320x180
Lens	18x zoom 4.7-84.6 mm F1.6 to F2.8, angle of view 59° - 4°, 12X digital zoom, auto focus, auto iris	Lens	32x optical 16x digital zoom 4.44-142.6 mm F1.6 to F4.4, horizontal angle of view 62.8° - 2.23°
Min. illumination	Color: 0.5 lux at 30 IRE F1.6, B/W: 0.04 lux at 30 IRE F1.6	Min. illumination	Colour:0.3Lux(1/30sec,F1.6,50IRE),B/W:0.03Lux(1/30sec,F1.6,50IRE)
Streaming	Multiple, individually configurable streams in H.264 and motion JPEG, VBR/CBR	Streaming	H.264, MJPEG dual codec, multiple streaming, VBR/CBR
Features	BLC, AGC, AWB, WDR, OSD, day & night auto/colour / BW (IR-Cut filter removable)	Features	Intelligent video analytics, motion detection,day&night(ICR),WDR (120dB),auto focus, auto Iris,AGC,SSDR,ATW,SSNR,III,BLC,DIS,Defog
Standards protocols	ONVIF, IPv4/v6, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS	Standards protocols	ONVIF Profile S, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
30x zoom 2.1MP network camera			
Image Sensor	Progressive scan CMOS 1/2.8"		
Resolution	1920x1080 30fps		
Lens	30x zoom 4.3-129mm F1.6 to F5.05, Angle of View 65.1° - 2.34°, 10X digital zoom, Auto Focus, Auto Iris		
Min. Illumination	Color: 0.05Lux @ (F1.6, AGC ON) B/W: 0.01Lux @ (F1.6, AGC ON)		
Streaming	Dual streams in H.264 and Motion JPEG, VBR/CBR		
Features	BLC, AGC, AWB, WDR, DNR, OSD, Day & Night Auto/Colour / BW (IR-Cut Filter Removable)		
Standards Protocols	ONVIF, PSIA, CGI - TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6		

General arrangement drawing (all dimensions in mm)



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.

DSOX0029/F 07/17