XF40 day/night HD IP series (UL only)

Fixed camera station, hazardous location

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 specifically for the Americas markets or where UL standards on Class and Division have been specified. As a result they utilise NPT entries as standard to maximise compatibility with existing fixed conduit installations.

Our camera stations are designed and manufactured for longevity in harsh environments, require minimal maintenance and are fully certified to UL standards as required by OSHA in both safe and hazardous areas.

See separate datasheet for ATEX/IECEx & other zone certification ranges.

Features

- 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)
- NPT entries as standard
- Various camera module options
- Options also available for IP, analogue, hybrid, IP over Coax and direct fibre out* - see specific data sheet
- Supply voltage options (24 VAC)
- Certified temperature from -58˚F to +158˚F* (ranging from T4 - T6)
- IP66/67

*Model dependent

UL LISTED

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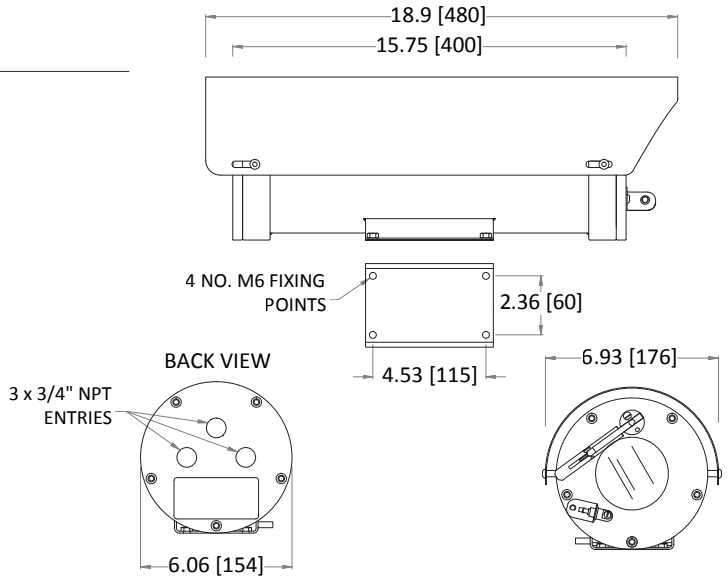
Printed in UK
Publication
No.DSOU0029/C
January 2017

Powering Business Worldwide

Certifications

UL C1/D1	Class I, Division 1, Groups B, C, D, T4A(T5 & T6 On Request) Class II, Division 1, Groups E, F, G IP67 Class 1 Zone 1 A Ex d IIB + Hydrogen T4 (T5 On Request)

General arrangement drawing (dimensions in inches and mm)



Specifications

Certification part number	Housing options OXALIS-UL2410-03, 1410-10 , 1410-15		
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 separate datasheets)	**Cable entry**	3 x ¾"NPT located in rear flange
Telemetry receiver	Integral - Pelco D standard protocol (others to specification)	**Mechanical**	
IP direct fibre out options	Optional integrated 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
Ingress protection rating	IP66/67, IP68 (1.5m for 24 hours)	**Camera station window**	Toughened glass
		Mounting options	Pole or wall (see separate datasheets)
		Operating temperature	From -58°F to +158°F (model dependent)
		Weight (lb)	Up to 33lb depending on configuration
Camera options			
30x zoom HD IP camera		**20x zoom HD IP 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 Profile S, PSIA, CGI - TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6
18x zoom HD IP camera		**32x zoom 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, SSNRIII, BLC, DIS, Defog
Standards protocols	ONVIF Profile S, IPv4/v6, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnPTM, 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

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