XP60 day/night IP hybrid series
- UL range

PTZ camera station, hazardous location

Overview

The Oxalis XP60 is an explosion protected PTZ camera station for use in hazardous areas in onshore, offshore, marine and heavy industrial environments. The large format housing allows the installation of customised equipment (subject to conformity).

The camera housings are designed specifically for the Americas markets or where UL standards on Class and Division have been specified.

The base unit carries dual NPT cable entries with easy access for cable termination during installation as standard, maximising compatibility and ease of use 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, 110 or 230 VAC, 50/60Hz)
- Certified temperature from -58˚F to +158˚F* (ranging from T4 - T6)
- IP66/67

*Model dependent

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Specifications

Certification part number
P&T OXALIS-UL2420-01, housing options OXALIS-UL2410-00, 2410-01, 2410-02

Features

Sun shield
Standard stainless steel 316L mirror finish

Integral wiper
Optional (silicone wiper blades that are resistant and do not perish after long exposure to ozone, UV, ice, snow, heat or cold)

Integral demister
Standard

Integral washer pump
Optional

Washer systems
Compatible with Oxalis XW or XWP washer tanks (see separate datasheets)

Pan speed (maximum)
45° per second

Tilt speed (maximum)
24° per second

Pre-set positional accuracy
64 presets: positional accuracy ±0.1°

Telemetry receiver
Integral - Pelco D standard protocol (others to specification)

Rotation
Continuous pan or 350° rotation (+/- 175° from straight ahead)

Integral IP encoder
Includes integral video encoder, H.264 / M-JPEG/MPEG-4, low latency, triple streaming, D1, 2CIF, CIF and VGA resolution, 25fps (30fps - NTSC) for use with analogue camera modules
Optional nonstandard encoder, subject to acceptance, conformity to regulation and testing

IP direct fibre out
Optional integrated media converter, simplex singlemode 9/125μm or multimode 50/125μm, 10/100Mb ethernet, IEEE 802.3

IP over coax
Optional integrated IP ethernet-over-coax converter (must be used with compatible Rx equipment)

Electrical

Supply voltage options
24 VAC, 110 or 230 VAC, 50/60Hz

Power consumption
80W Maximum (143W with low temperature operation)

Electrical connections
Terminal block for power and data specific to camera configuration

Cable entry
2 x ¾” NPT located in base

Mechanical

Body material
Electro-polished 316L stainless steel on all welded assemblies for maximum corrosion protection

Fixings material
A4 stainless steel

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 126lb depending on configuration

Ingress protection rating
IP66/67

Camera options

1/4” CCD 36x zoom camera

Image sensor
1/4” EXview HAD CCD (progressive scan)

Resolution
High resolution mode on: 550 TV lines (default)

Lens
36x zoom 3.4-122.4 mm F1.6 to F4.5, horizontal angle of view 578°- 1.7°, 12X digital zoom, auto focus, auto iris

Min. illumination
1/80 s, 1/60 s mode: 1.4 Lux, 1/4 s, 1/3 s mode: 0.1 Lux, 1/4 s, 1/3 s mode& ICR On: 0.01 Lux

S/N ratio
>50dB

Features
ATW, day & night auto/colour / BW (IR-Cut filter removable), camera title ON/OFF

Certifications

UL C1/D1
Class I, Division 1, Groups B, C, D, T4-50°C to +70°C (-58°F to +158°F)

Class II, Division 1, Groups E, F , G IP67.

Class 1 Zone 1 A Ex d IIB + Hydrogen T4 (T5 On Request)

On Request: T5-50°C to +70°C (-58°F to +158°F), T6-50°C to +50°C (-58°F to +122°F)

UL Listing: E477542
## 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.

<table>
<thead>
<tr>
<th>Component</th>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>Housing type</td>
<td>V</td>
<td>Visual camera housing</td>
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<tr>
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<td>P</td>
<td>Visual camera housing with integral washer pump</td>
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<td>Integral wiper with switched 24VAC for external washer pump</td>
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<td>W</td>
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<td>1/4&quot; CCD 36x zoom camera</td>
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<td>230V ±10% 50/60 Hz</td>
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*Special - price on application*