

# XP40 day/night IP hybrid series

Explosion proof PTZ camera station



## Overview

The Oxalis XP40 is an explosion protected PTZ camera station for use in hazardous areas in onshore, offshore, marine and heavy industrial environments. The camera stations 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
  - Supply voltage options (24 VAC, 110 or 230 VAC, 50/60Hz)
  - Pole or wall mounting options (see separate datasheets)
  - Operating temperature from -60°C to +60°C\*
  - IP66/67
- \*Model dependent



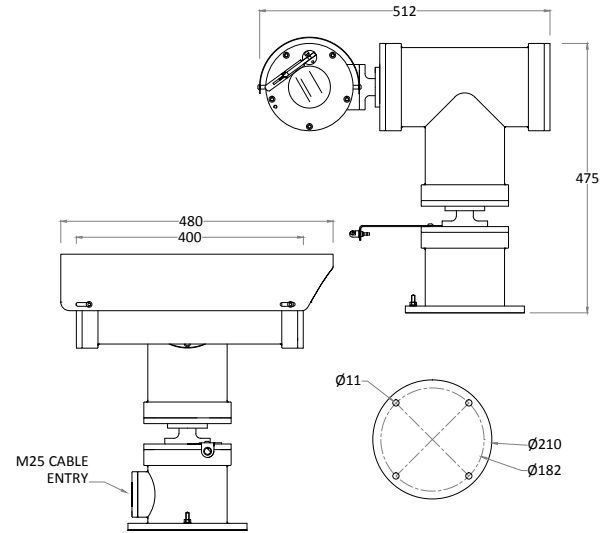
## Certifications

ATEX	II 2 G Ex db (op pr) IIC T4 (T5 & T6 On Request)Gb. II 2 D Ex tb (op pr) IIIC T135°C Db IP6x Certificate Number: ITS16ATEX101021X
IECEx	Ex db (op pr) IIC T4 (T5 & T6 On Request)Gb. Ex tb (op pr) IIIC T135°C Db IP6x. Certificate Number: IECEx ITS 15.0068X
INMETRO	Ex d IIC T4 (T5 On Request) Gb -60° C ≤Ta ≤+60°C Ex tb IIIC T135° C Db IP66/67. Certificate Number: TUV 12.1080X / TUV 12.1081X
LCus C1/Z1	Class 1 Zone 1 A Ex d IIC T4 (T5 On Request) LC13A11396 Gb -60° C ≤Ta ≤+60° C. UL 60079-0:2009 & 60079-1:2009 Certificate Number: 11396-1S-UL
cLCus C1/D1	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 Number: 11671-1S / 11677-1S
cLC CSA	Ex d IIC T4 (T5 On Request) LC1311396 -60° C ≤Ta ≤+60°C. CAN CSA-C22.2 No.60079-0:2011 & 60079-1:2011 Certificate Number: 11396-1S-CSA
TR CU GOST	IEx d IIC T4X (T5 & T6 On Request) -60° C ≤Ta ≤+60° C Ex tb IIIC T135° C Db IP67. Certificate Number: TCRUGB.ГБ.В00318
CCOE	Ex d IIC (T5 & T6 On Request) -60° C ≤Ta ≤+60° C Gb Ex tb IIIC T130° C Db IP6x Certificate Number: P306928/1/2
CNEX	Ex d IIC T4/T5/T6 GB / Ex tb IIIC 135° C Db IP6X. Certificate Number: 132.2980X / 13.2981X
CERTEx	II 2 G Ex d (op pr) IIC T4 (T5 & T6 On Request) II 2 D Ex tb IIIC T135° C Db IP6x. Certificate Number: S-XPL14.1340X

## Specifications

<b>Certification part number</b>	P&T 2420-01, housing options 2410-03, 1410-25, 1410-10		
<b>Features</b>		<b>Electrical</b>	
<b>Sun shield</b>	Standard stainless steel 316L mirror finish	<b>Supply voltage options</b>	24 VAC, 110 or 230 VAC, 50/60Hz
<b>Integral wiper</b>	Optional (Silicone wiper blades that are resistant and do not perish after long exposure to ozone, UV, ice, snow, heat or cold)	<b>Power consumption</b>	80W Maximum (143W with low temperature operation)
<b>Integral demister</b>	Standard	<b>Electrical connections</b>	Terminal block for power, data and video specific to camera configuration
<b>Integral washer pump</b>	Not applicable	<b>Cable entry</b>	Single M25 entry located in base
<b>Washer systems</b>	Compatible with Oxalis XW or XWP washer tanks (see separate datasheets)	<b>Mechanical</b>	
<b>Pan speed (maximum)</b>	45° per second	<b>Body material</b>	Electro-polished 316L stainless steel on all welded assemblies
<b>Tilt speed (maximum)</b>	24° per second	<b>Fixings material</b>	A4 stainless steel
<b>Pre-set positional accuracy</b>	64 presets: positional accuracy±0.1°	<b>Camera station window</b>	Toughened glass
<b>Telemetry receiver</b>	Integral - Pelco D, P standard protocols (others to specification)	<b>Mounting options</b>	Pole or wall (see separate datasheets)
<b>Rotation</b>	Continuous pan or 350° rotation (+/- 175° from straight ahead)	<b>Operating temperature</b>	From -60°C to +60°C (model dependent)
<b>Integral IP encoder</b>	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	<b>Weight (Kg)</b>	Up to 53 Kg depending on configuration
<b>IP direct fibre out</b>	Optional media converter, simplex singlemode 9/125µm or multimode 50/125µm, 10/100Mb Ethernet, IEEE 802.3	<b>Ingress Protection Rating</b>	IP66/67
<b>IP over coax</b>	Optional integrated IP Ethernet-over-coax converter (must be used with compatible Rx equipment)		
<b>Camera options</b>			
<b>1/4" CCD 37x zoom camera</b>			
<b>Image sensor</b>	1/4" super HAD CCD		
<b>Resolution</b>	Colour : 650 TV lines / B/W : 680 TV lines		
<b>Lens</b>	37x zoom 3.5-129.5 mm F1.6 to F3.9, horizontal angle of view 55.5°-1.59°, 16X digital zoom, auto focus, auto iris		
<b>Min. illumination</b>	Colour 0.7 lux (wide, 50 IRE@F1.6), 0.002 lux (sens-up, 256X super low light mode) B/W 0.03 lux (wide, 50 IRE@F1.6), 0.0001 lux (sens-up, 256X super low light mode)		
<b>S/N ratio</b>	>50dB		
<b>Features</b>	ATW, WDR, BLC, day & night auto/colour / BW (IR-Cut filter removable), camera title ON/OFF		
<b>1/3" CCD 10x zoom camera</b>			
<b>Image sensor</b>	1/3" EXview HAD CCD II (interlace scan)		
<b>Resolution</b>	High resolution mode on: 530 TV lines (default)		
<b>Lens</b>	10x zoom 5.1-51.0 mm F1.8 to F2.1 horizontal angle of view 52.0° - 5.4°, 12X digital zoom, auto focus, auto iris		
<b>Min. illumination</b>	1/60 s, 1/50 s mode: 0.25 Lux (F1.8, 50IRE), 1/4 s, 1/3 s mode: 0.015 Lux (F1.8, 50IRE) 1/4 s, 1/3 s mode& ICR On: 0.0004 Lux (typical) (F1.8, 50IRE)		
<b>S/N ratio</b>	>50dB		
<b>Features</b>	ATW, day & night auto/colour / BW (IR-Cut filter removable), camera title ON/OFF		
<b>1/4" CCD 36x zoom camera</b>			
<b>Image sensor</b>	1/4" EXview HAD CCD (progressive scan)		
<b>Resolution</b>	High resolution mode on: 550 TV lines (default)		
<b>Lens</b>	36x zoom 3.4-122.4 mm F1.6 to F4.5, horizontal angle of view 57.8° - 1.7° , 12X digital zoom, auto focus, auto iris		
<b>Min. illumination</b>	1/60 s, 1/50 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		
<b>S/N ratio</b>	>50dB		
<b>Features</b>	ATW, day & night auto/colour / BW (IR-Cut filter removable), camera title ON/OFF		

## 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

