XP40 HD IP 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 harsh environments with minimal maintenance.

Features

- ATEX, IECEx, Class 1 Division 1 and Zone 1 certified
- Electro-polished 316L stainless steel finish
- Camera station window in toughened glass
- Pole or wall mounting options (see separate datasheets)
- Supply voltage options (24 VAC, 110 or 230 VAC, 50/60Hz)
- Operating temperature from -60°C to +70°C*
- IP66/67
*Model dependent
Specifications

**Certifications**

- ATEX: If 2 G Ex db (p) 1IC T4 Gb -60°C to +70°C
- IMEX: Ex db (p) 1IC T4 Gb -60°C to +70°C
- INMETRO: Ex db (p) 1IC T4 Gb -60°C to +70°C
- LCus/C1/ZI: Ex db (p) 1IC T4 Gb -60°C to +70°C

**Features**

- Sun shield: Standard stainless steel 316L, mirror finish
- Power supply options: 24 VAC, 110 or 230 VAC, 50/60Hz
- Power consumption: 6W (maximum 14W with low temperature operation)
- 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: 6W
- Integral demister: Standard
- Power consumption: 6W
- Integral washer pump: Not applicable
- Power consumption: 6W
- Washer systems: Compatible with Ovulis XV or XWP washer tanks (see datasheets)
- Mechanical
- Pan speed (maximum): 45° per second
- Tilt speed (maximum): 24° per second
- Pre-set positional accuracy: 64 presets: positional accuracy±0.1°
- Camera station window: Toughened glass
- Telemetry receiver: Integral - Pelco D, P standard protocols (others to specification)
- Mounting options: Pole or wall (see separate datasheets)
- Rotation: Continuous pan or 350° rotation (+/- 175° from straight ahead)
- Operating temperature: From -60°C to +70°C (model dependent)
- Analogue direct fibre out: Not applicable
- Weight (kg): Up to 53 Kg depending on configuration
- Integral IP encoder: Not applicable
- Ingress Protection Rating: IP65
- IP direct fibre out options: Optional media converter, simplex singlemode 9/125um or multimode 50/125um, 10/100Mb Ethernet, IEEE 802.3
- IP over coax: Optional integrated IP Ethernet-over-coax converter (must be used with compatible Rx equipment)

**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 @60fps to 320x180
- Lens: 30x zoom 4.3-129mm F1.6 to F4.7, horizontal angle of view 67.7° - 2.3°,
- 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
- Min. illumination: Colour: 0.35 lux (1/30 sec, F1.6, 50IRE), B/W: 0.05 lux (1/4 sec, 1/3 sec, 50IRE).
- Min. illumination: Colour: 0.013 lux (1/30 sec, F1.6, 50IRE) 0.002 lux (1/4 sec, 1/3 sec, 30IRE)
- Streaming: H.264, MJPEG dual codec, multiple streaming, VBR/CBR
- Streaming: H.264, MJPEG dual codec, multiple streaming, VBR/CBR
- Features: BLC, AGC, AWB, WDR, DNR, OSD, day & night autocolour / BW (IR-Cut filter removable)
- Standards protocols: ONVIF Profile S, TCP/IP UDP/RTCPP/IP, RTP/RTCP, RTSP/RTSP NTP, HTTP/HTTPS, SSL, DHCP FTP SMCIP ICMP ICMPV3 SNMPV3 v1/v2c/3/MB-M2, ARP DNS, DDNS, PSIA, IPv6, IPv4

**Certification part number**
P&T 2420-01, housing options 2410-03, 1410-25, 1410-10

**Standards Protocols**

- Progressive scan CMOS 1/2.8"...
## 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.

### XP40

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### Details

- **Supply voltage**
  - 24 VAC ±10% 50/60 Hz: 1
  - 110 VAC ±10% 50/60 Hz: 2
  - 230 VAC ±10% 50/60 Hz: 3
  - Special - price on application: 5

- **Camera rotation**
  - Continuous rotation: 1
  - Pan rotation restricted to ±175°: 2

- **Transmission type**
  - Standard electrical: 0
  - Simplex singlemode: 1
  - 9/125μm ethernet: 2
  - Simplex multimode: 3
  - 50/125μm ethernet: 4
  - IP over coax: 5
  - Customer specific transmission device: 6

- **Temperature type**
  - T4, -20˚C to +70˚C*: A
  - T4, -40˚C to +70˚C*: B
  - T4, -20˚C to +60˚C: 1
  - T4, -40˚C to +60˚C: 2
  - T5, -20˚C to +60˚C*: C
  - T5, -40˚C to +60˚C*: D
  - T5, -20˚C to +60˚C*: 4
  - T5, -40˚C to +60˚C*: 5
  - T5, -60˚C to +40˚C*: 6
  - T6, -20˚C to +40˚C*: 7
  - T6, -40˚C to +40˚C*: 8
  - T6, -60˚C to +40˚C*: 9

- **Certification**
  - ATEX: A
  - IECEx: I
  - INMETRO: M
  - LCus C1, Z1: U
  - cLCus C1, D1: Z
  - cLC CSA: C
  - TR CU, EAC: R
  - CCOE: D
  - CNEX: X
  - CERTEX: T

- **Protocol requirements**
  - Pelco D protocol, baud rate 2400bps: D
  - Special - price on application: 5

*Subject to configuration restrictions