XT40 HD IP series

Explosion proof, PTZ with illuminator camera station

Overview

The Oxalis XT40 is an explosion protected PTZ camera station with integral illumination, designed 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.

The illuminator has an integrated light sensor for automatic operation and utilises high efficiency IR LEDs for up to 175m range.

Features

- ATEX and IECEx 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 options (24 VAC, 110, 230 VAC, 50/60Hz) or 24VDC
- Operating temperature from -60°C to +70°C*
- IP66/67

*Model dependent

ATEX IECEx INMETRO

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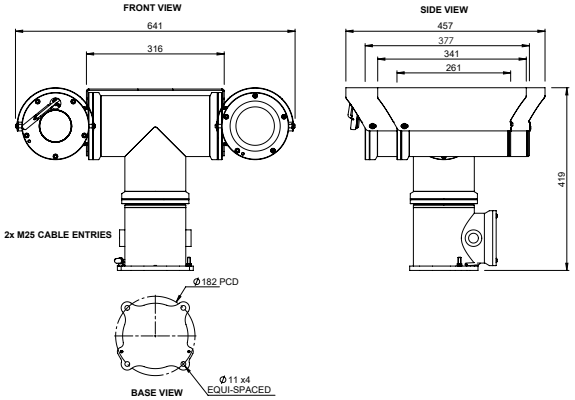
Certifications

ATEX	II 2 G Ex db (op pr) IIC T4 Gb -60°C to +70°C II 2 D Ex tb (op pr) IIIC T140°C Db IP6x On request: T135 -60°C to +65°C Certificate: ITS16ATEX101021X
IECEx	Ex db (op pr) IIC T4 Gb -60°C to +70°C Ex tb (op pr) IIIC T140°C Db IP6x On request: T135 -60°C to +65°C Certificate: IECEx ITS 15.0068X
INMETRO	Ex db (op pr) IIC 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: UL-BR 17.0063X

General arrangement drawing (all dimensions in mm)



Specifications

Features		**Electrical**	
Sun shield	Standard stainless steel 316L mirror finish	**Supply voltage options**	24 VAC, 110, 230 VAC, 50/60Hz or 24 VDC
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**	100W maximum (158W with low temperature operation)
Integral demister	Standard	**Electrical connections**	Terminal block for power and data specific to camera configuration
Washer systems	Compatible with Oxalis XWP washer tanks (see separate datasheets)	**Cable entry**	2 x M25 entries located in the base (1 plugged)
Pan speed (maximum)	45° per second	**Mechanical**	
Tilt speed (maximum)	24° per second	**Body material**	Electro-polished 316L stainless steel on all welded assemblies
Pre-set positional accuracy	64 presets: positional accuracy±0.1°	**Fixings material**	A4 stainless steel
Telemetry receiver	Integral - Pelco D	**Camera station window**	Toughened glass
Rotation	Continuous pan or 350° rotation (+/- 175° from straight ahead)	**Mounting options**	Wall (see separate datasheets)
Integral illumination	IR nano-stack LED technology, internally powered from camera station, range up to 175m (depending on camera), 12° angle, 850nm wavelength. Auto switching from ambient light sensor or auxiliary command	**Operating temperature**	From -60°C to +70°C (model dependent)
		Weight (Kg)	Up to 45 Kg depending on configuration
		Ingress protection rating	IP66/67
IP direct fibre out	Optional media converter, duplex/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)		
Camera options			
32x XNZ-6320 HP IP camera		**22x zoom 3MP HD IP camera**	
Image sensor	Progressive scan CMOS 1/2.8"	**Image sensor**	Progressive scan CMOS 1/2.8"
Resolution	Resolution: 1920x1080 @60fps to 320x240	**Resolution**	2304 x 1296 @ 30fps
Lens	32x optical 32x digital zoom 4.44-142.6 mm F1.6 to F4.4, horizontal angle of view 61.8° - 2.19°	**Lens**	22x optical zoom 5.2~114.4mm F1.5~F3.8, horizontal angle of view 53.74° - 2.96°
Min. illumination	Colour : 0.05Lux (1/30sec, F1.6, 50IRE), B/W : 0.005Lux (1/30sec, F1.6, 50IRE)	**Min. illumination**	Colour : 0.002Lux (F1.5, AGC ON), B/W 0.001Lux (F1.5, AGC ON)
Streaming	H.264, H.265 MJPEG dual codec, multiple streaming, VBR/CBR	**Streaming**	Triple streams in H.264, H.265
Features	Intelligent video analytics, motion detection, day & night (ICR), WDR (150dB), auto focus, auto Iris, AGC, SSDR, ATW, SSNRIII, BLC, DIS, Defog	**Features**	AGC, AE,AWB,TDN,DNR,BLC,EIS,WDR,Defog,OSD,Day & Night Auto Colour/BW (IR-cut with auto switch)
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	**Standards protocols**	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP.
33x zoom 3MP HD IP camera		**22x zoom 5MP HD IP camera**	
Image Sensor	Progressive scan CMOS 1/2.8"	**Image Sensor**	Progressive scan CMOS 1/2.7"
Resolution	2304 x 1296 @ 60fps	**Resolution**	2880 x 1620 @ 30fps
Lens	33x optical zoom 4.5~148.5mm F1.5~F4.0, horizontal angle of view 62.93° - 3.67°	**Lens**	22x optical zoom 5.2~114.4mm F1.5~F3.8, horizontal angle of view 55.46° - 3.09°
Min. Illumination	Colour : 0.001Lux (F1.5, AGC ON), B/W 0.0005Lux (F1.5, AGC ON)	**Min. Illumination**	Colour : 0.003Lux (F1.5, AGC ON), B/W 0.001Lux (F1.5, AGC ON)
Streaming	Five streams in H.264, H.265	**Streaming**	Triple streams in H.264, H.265
Features	AGC, AE,AWB,TDN,DNR,BLC,EIS,WDR,Defog,OSD,Day & Night Auto Colour/BW (IR-cut with auto switch)	**Features**	AGC, AE,AWB,TDN,DNR,BLC,EIS,WDR,Defog,OSD,Day & Night Auto Colour/BW (IR-cut with auto switch)
Standards Protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP.	**Standards Protocols**	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP.

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