CROUSE-HINDS

XP60 thermal image IP hybrid series

Explosion proof, PTZ camera station



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 camera stations are designed for longevity in harsh environments with minimal maintenance.

The large format housing allows the installation of custom specified camera, lens and transmission equipment subject to conformity to certification, physical fit and acceptance.

Features

- · ATEX, IECEx, Class 1 Division 1 and Zone 1 certified
- Electro-polished 316L stainless steel on all welded assemblies
- 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
- · IP66/67
 - *Model dependent













Powering Business Worldwide

Unit B, Sutton Parkway Oddicroft Lane Sutton in Ashfield United Kingdom

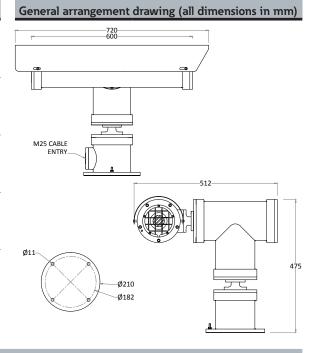
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Certifications				
ATEX	II 2 G Ex db (op pr) IIC T4 Gb -60°C to +70°C II 2 D Ex tb (op pr) IIIC T140°C Db IP6x On Request: T5 -60°C to +65°C, T6 -60°C to +40°C On request: T135 -60°C to +65°C Certificate: ITS16ATEX101021X	cLC CSA	Ex d IICT4 (T5 On Request) LC1311396 -60°C ≤Ta ≤ +60°C. CAN CSA-C22.2 No.60079-0:2011 & 60079-1-2012 Certificate: 11396-1S-CSA	
IECEx	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: IECEx ITS 15.0068X	TR CU, EAC	1 Ex db (op pr) IICT4 Gb -60°C to +70°C Ex tb (op pr) IIICT140°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: TCRUCGB.IF604.800587	
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	CCOE	Ex db (op pr) IICT4 Gb -60°C to +70°C Ex tb (op pr) IIICT140°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: P400546/1	
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 & 60079-1:2010 Certificate: 11396-1S-UL	CNEX	Ex db (op pr) IICT4 Gb -60°C to +70°C Ex tb (op pr) IIICT140°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: 17.1235X	
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: 11671-1S (Gas) / 11677-1S (Dust)	CERTEX	Ex db (op pr) IICT4 Gb -60°C to +70°C Ex tb (op pr) IIICT140°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: S-XLP/17.0244X	



Specifications			
Certification Part Number	P&T 2420-01, Housing options 2410-TI-50, 2410-TI		
Features			
Sun shield	Standard stainless steel 316L mirror finish		
Integral demister	Standard		
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, (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 - NT use with analogue camera modules Optional nonstandard encoder, subject to acceptance, conformity to regulation and testing		
IP direct fibre out	Optional 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	85W Maximum (143W with low temperature operation)		
Electrical connections	Terminal block for power, data and video specific to camera configuration		
Cable entry	Single M25 entry located in base		
Mechanical			
Body material	Electro-polished 316L stainless steel on all welded assemblies		
Fixings material	A4 stainless steel		
Camera station window	Internal AR and external carbon coated germanium (50 or 102mm Ø) with protective grill		
Mounting options	Pole or wall (see separate datasheets)		
Operating temperature	From -60°C to +60°C (model dependent)		
Weight (Kg)	Up to 57 Kg depending on configuration		
Ingress protection rating	IP66/67		
Thermal core module option	ns		
T336 7.5-8.3Hz	Uncooled VOx microbolometer thermal imaging camera, including TCl Interface PCB for functionality over standard RS485 protocol Commands 336 x 256 resolution, 17µ pixel size, 7.5Hz NTSC/8.3Hz PAL exportable frame rate, digital detail enhancement		
T640 7.5-8.3Hz	Uncooled VOx microbolometer thermal imaging camera, including TCI Interface PCB for functionality over standard RS485 protocol Commands 640 x 512 resolution (PAL), 17µ pixel size, 7.5Hz NTSC/8.3Hz PAL exportable frame rate, digital detail enhancement		
T336 25-30Hz	Uncooled VOx microbolometer thermal imaging camera, including TCI Interface PCB for functionality over standard RS485 protocol Commands 336 x 256 resolution, 17µ pixel size, 30Hz NTSC/25Hz PAL frame rate, digital detail enhancement. Subject to export restrictions and licensing		
T640 25-30Hz	Uncooled VOx microbolometer thermal imaging camera, including TCI Interface PCB for functionality over standard RS485 protocol Commands 640 x 512 resolution (PAL), 17µ pixel size, 30Hz NTSC/25Hz PAL frame rate, digital detail enhancement. Subject to export restrictions and licensing		
Thermal core lens options			
19mm lens	FoV 17° x 13° (336 x 256) / FoV 32° x 26° (640 x 512) Detection of object 4m x 1.5m: Typical 1550m		
25mm lens	FoV 13° x 10° (336 x 256) / FoV 25° x 20° (640 x 512) Detection of object 4m x 1.5m: Typical 2200m		
35mm lens	n lens FoV 9.3° x 7.1° (336 x 256) / FoV 18° x 14° (640 x 512) Detection of object 4m x 1.5m: Typical 3000m		
50mm lens	FoV 6.5° x 5° (336 x 256) / FoV 12.4° x 9.9° (640 x 512) Detection of object 4m x 1.5m: Typical 3900m		
100mm lens	FoV 3.3° x 2.5° (336 x 256) / FoV 6.2° x 5.0° (640 x 512) Detection of object 4m x 1.5m: Typical 6000m. Ø102 Germanium housings only		

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

