CROUSE-HINDS

XP40 thermal image analogue 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
- 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 +70°C*
- IP66/67













CV37 9NB

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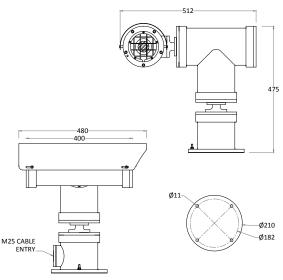
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Certifications II 2 G Ex db (op pr) IIC T4 Gb -60°C to +70°C cLC CSA Ex d IICT4 (T5 On Request) LC1311396 -60°C II 2 D Ex tb (op pr) IIIC T140°C Db IP6x \leq Ta \leq +60°C. On Request: T5 -60°C to +65°C, T6 -60°C to +40°C CAN CSA-C22.2 No.60079-0:2011 & 60079-1-2012 On request: T135 -60°C to +65°C Certificate: 11396-1S-CSA Certificate: ITS16ATEX101021X Ex db (op pr) IIC T4 Gb -60°C to +70°C 1 Ex db (op pr) IIC T4 Gb -60°C to +70°C IECEx TR CU, Ex tb (op pr) IIIC T140°C Db IP6x 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: T5 -60°C to +65°C, T6 -60°C to +40°C On request: T135 -60°C to +65°C On request: T135 -60°C to +65°C Certificate: IECEx ITS 15.0068X Certificate: TCRUCGB. FE04.B00587 Ex db (op pr) IICT4 Gb -60°C to +70°C Ex db (op pr) IIC T4 Gb -60°C to +70°C INMETRO CCOF Ex tb (op pr) IIIC T140°C Db IP6x Ex tb (op pr) IIICT140°C Db IP6x On Request: T5 -60°C to +65°C, T6 -60°C to +40°C On Request: T5 -60°C to +65°C, T6 -60°C to +40°C On request: T135 -60°C to +65°C On request: T135 -60°C to +65°C Certificate: UL-BR 17.0063X Certificate: P400546/1 LCus C1/Z1 Class 1 Zone 1 A Ex d IICT4 (T5 On Request) CNEX Ex db (op pr) IIC T4 Gb -60°C to +70°C Ex tb (op pr) IIICT140°C Db IP6x LC13A11396 Gb -60°C \leq Ta \leq +60°C. On Request: T5 -60°C to +65°C, T6 -60°C to +40°C UL 60079-0:2009 & 60079-1:2010 Certificate: 11396-1S-UL On request: T135 -60°C to +65°C Certificate: 17.1235X Ex db (op pr) IIC T4 Gb -60°C to +70°C cLCus C1/D1 Class II, Division 1, Groups E, F, G IP67. Ex tb (op pr) IIICT140°C Db IP6x CSA-C22.2 No:30-M1986 No:25-1966(R2009) CSA-On Request: T5 -60°C to +65°C, T6 -60°C to +40°C C22.2 No:60065-03(R2012) & UL1203,UL60065(ED.7) On request: T135 -60°C to +65°C Certificate: 11671-1S (Gas) / 11677-1S (Dust) Certificate: S-XLP/17.0244X

General arrangement drawing (all dimensions in mm)



Specifications			
Certification part number	P&T 2420-01, Housing options 1410-10-TI-50, 1410-10-TI		
Features		Electrical	
Sun shield	Standard stainless steel 316L mirror finish	Supply voltage options	24 VAC, 110 or 230 VAC, 50/60Hz
Integral demister	Standard	Power consumption	85W Maximum (143W with low temperature operation)
Pan speed (maximum)	45° per second	Electrical connections	Terminal block for power, data and video specific to camera configuration
Tilt speed (maximum)	24° per second	Cable entry	Single M25 entry located in base
Pre-set positional accuracy	64 presets: positional accuracy±0.1°	Mechanical	
Telemetry receiver	Integral - Pelco D, P standard protocols (others to specification)	Body material	Electro-polished 316L stainless steel on all welded assemblies
Rotation	Continuous pan or 350° rotation (+/- 175° from straight ahead)	Fixings material	A4 stainless steel
Analogue direct fibre out	Optional singlemode 9/125µm or multimode 50/125µm video and data fibre optic transmission, mounted inside the camera station	Camera station window	Internal AR and external carbon coated germanium (50 or 102mm Ø) with protective grill
Ingress protection rating	IP66/67	Mounting options	Pole or wall (see separate datasheets)
Type approval	DNVGL-CG-0339, 2016 (copper transmission only)	Operating temperature	From -60°C to +70°C (model dependent)
		Weight (Kg)	Up to 53 Kg depending on configuration
Thermal core module option	ns		
T336 7.5-8.3Hz	Uncooled VOx microbolometer thermal imaging camera, including TCI 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			
	FoV 17° x 13° (336 x 256) / FoV 32° x 26° (640 x 512) Detection of object 4m x 1.5m: Typical 1550m		
19mm lens	FOV 17" X 13" (336 X 256) / FOV 32" X 26" (640 X 512) Deta	oction or object min it morni	7,6:00:
19mm lens 25mm lens	FoV 13° x 13° (336 x 256) / FoV 32° x 26° (640 x 512) Dete	,	
19mm lens 25mm lens 35mm lens		ection of object 4m x 1.5m:	Typical 2200m
25mm lens	FoV 13° x 10° (336 x 256) / FoV 25° x 20° (640 x 512) Dete	ection of object 4m x 1.5m: tection of object 4m x 1.5m:	Typical 2200m : Typical 3000m

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

