

## EX-PTZ D SERIES

### EX PTZ Dual Spectrum Camera 316L

#### DESCRIPTION

The EX-PTZ D camera housing is a rugged corrosion proof dual head camera station designed for use in onshore, offshore, marine and heavy industrial environments. The combination of thermal imaging and daylight cameras facilitates 24/7 remote camera surveillance and analytics. The camera housing is not sold separately, it is only available in combination with a Siqura daylight camera module, such as the BC822v2H3-AS, a thermal module from the TC-336 or TC-640 series, and an interface (INT-RJ)

#### FEATURES

Corrosion protected 316L stainless-steel

ATEX and IECEx certified for gas and dust

Dual head camera for day- and night-vision

Grid protected germanium window (diameter 50 mm)

Suited for 9, 13, 19, 25, 35, 50 mm thermal lenses

IP66 / IP67

Integrated power supply (24, 115 or 230 Vac)

Integrated heaters and wiper

Electro-polished 316L sun-shields

Low maintenance



## Description

### Thermal imaging

The EX-PTZ D is fitted with a germanium window, which makes the camera suitable for long-wave infrared (LWR) thermal imaging. Siqua's TC-336 and TC-640 thermal modules are made to fit this camera. Its grid protected window is suitable for lenses from 9 mm up to 50 mm.

### Day-light camera

The other head is fitted with Siqua's 30x zoom ip camera, the bc822v2H3-AS. This head is standard equipped with a wiper and prepared for a washer installation. A 10 litre pressurized washer tank can be obtained separately.

### Corrosion free 316L construction

The dual head PTZ camera is made of corrosion proof 316L stainless steel suited to operate in salty or sulfur rich environments. The hard carbon coated germanium window is additionally protected by a 316L grid.

### ATEX and IECEx certified

The EX-PTZ D is fully ATEX and IECEx certified for hazardous areas zone 1 and 2 for gas and zone 21 and 22 for dust. The certification includes the daylight camera (BC822v2H3-AS), the thermal module from the TC-336 or TC-640 series and a 5 or 10 m multicable cable tail as defined by INT-RJ. (Direct to fiber connection is not supported in the dual PTZ)

### Integrated heaters

Both camera heads are fitted with a thermal controlled heater. It regulates the humidity inside the camera and prevents ice or condensation forming on the germanium or optical window.

## Mechanical

Certification	ATEX; IECEx
Rating	Ex db op pr IIC T6 Gb -40°C Tamb +60°C
	Ex tb III C T85°C Db -40°C Tamb +60°C
	Ex db op pr IIB T5 Gb -40°C Tamb +75°C
	Ex tb IIIC T100°C Db -40°C Tamb +75°C
Ingress protection rating	IP66 / IP67
Body material	Electro-polished 316L stainless steel
Thermal Window	AR/DLC germanium window
- Size	diameter 50 mm; with protective grid
Optical Window	High-Grade Tempered Optical Glass
- Size	diameter 75 mm; 10 mm thick
Sunshield	2x, Standard
Rotation	360° Continuous rotation
Tilt angle	+90° to -90°
Variable speed	up to 36°/sec pan and 18°/sec tilt (peak)
Backlash	0.1°
Preset accuracy	0.04°
Operating temperature (Tamb)	-20 °C to +75 °C (-4 °F to +167 °F)
Relative humidity	5% to 100%
Cable entry	1x M25x1.5
Weight	43.5 kg

## Electrical

Power rating	EX-PTZ24D	EX-PTZ115D	EX-PTZ230D
	24 Vac +/-10%	115 Vac +/-10%	230 Vac +/-10%
	50/60Hz	50/60Hz	50/60Hz
Max power consumption	120W	120W	120W
Internal Heater	2x, Standard		
- Heater control	On:12°C +/- 4°C; Off: 20°C +/- 3°C		
Integrated wiper	Standard on the optical window		

## Ordering information

EX-PTZ24D	EX PTZ Dual Spectrum Camera 316L 24VAC
EX-PTZ115D	EX PTZ Dual Spectrum Camera 316L 115VAC
EX-PTZ230D	EX PTZ Dual Spectrum Camera 316L 230VAC

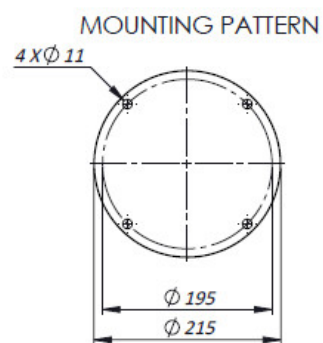
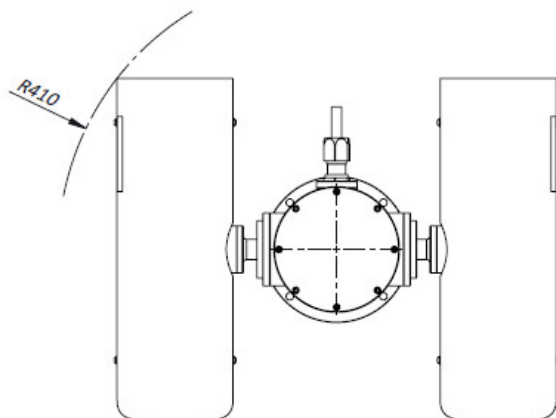
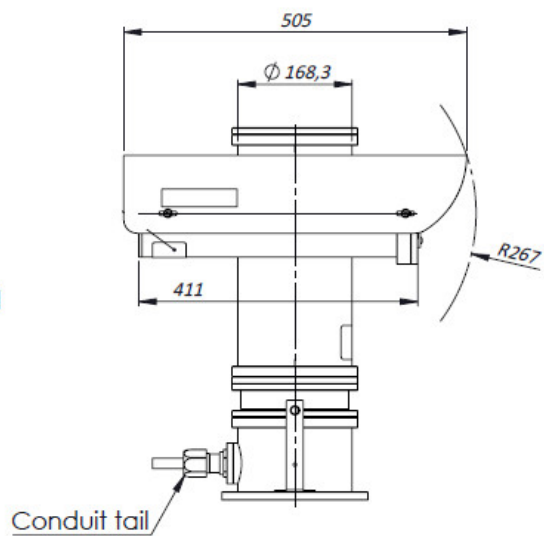
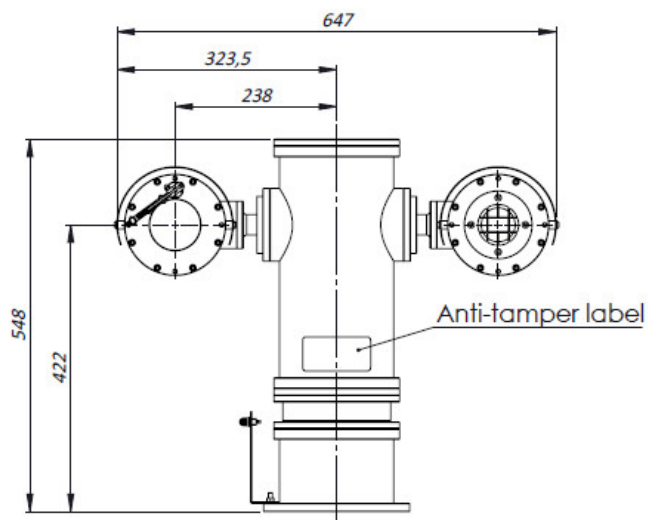
## Maintenance kits

EX-MK PTZ	Maintenance kit EX PTZ camera: O-Ring, screws, desiccant bags
EX/SA-Wiper	Replacement for Stainless steel wiper (complete assembly)

Housing	Optical camera	Thermal camera		Interface					
	BC822v2H3-SA	TC(R1)-336	TC(R1)-640	INT-RJ	INT-RJ5 INT-RJ10	INT-SM	INT-SM5 INT-SM10	INT-MM	INT-MM5 INT-MM10
EX-FIX24	✓			✓	✓	✓	✓	✓	✓
EX-FIX24W	✓			✓	✓	✓	✓	✓	✓
EX-FIX24T		✓	✓	✓	✓	✓	✓	✓	✓
EX-PTZ24	✓			✓	✓	✓	✓	✓	✓
EX-PTZ24T		✓	✓	✓	✓	✓	✓	✓	✓
EX-PTZ24D	✓	✓	✓	✓	✓				

*This charts also applies to the EX cameras versions for 115 Vac and 230 Vac.*

EX PTZ D DIMENSIONS IN MM



## RELATED

**Siqura BC822v2H3-AS**

Assembly 33x zoom IP camera, 3MP, AF, Day/night, H.265/H.264

**Siqura TC-336 and TC-640**

Assembly thermal modules 336x256 or 640x512

**Siqura INT-RJ / INT-SM / INT-MM**

Network Interface and cable tail of the Siqura SA or EX cameras

**Siqura Ex e Termination Box**

316L Ex e termination box for EX cameras

**Siqura EX WP10**

10 litres pressurized water tank in 316L cabinet

**Siqura EX mounting accessories**

316L Mounting accessories for the EX-FIX and EX-PTZ series

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