

# SA-PTZ T SERIES

## Safe Area PTZ Thermal Camera 316L

### DESCRIPTION

The SA-PTZ T camera housing is a rugged corrosion proof thermal PT camera station designed for use in onshore, offshore, marine and heavy industrial environments. The camera housing is constructed from electro-polished 316L stainless steel for maximum corrosion protection and is fitted with an 316L sun-shield and a thermostatically controlled heater. The camera's germanium window is 70 mm in diameter, large enough to suit all thermal modules from 7.5 mm to 100mm. The housing is not sold separately, it is only available in combination with a Siquira thermal module TC-336 or TC-640 and an interface (INT-RJ/SM/MM).

### FEATURES

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Corrosion protected 316L stainless-steel

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70 mm DLC/AR coated germanium window

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Supports all thermal modules from 7.5 to 100 mm

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Ingress protection rating IP66 and IP67

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360° Continuous rotation, -90° to +90° tilt range

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Integrated power supply (24, 115 or 230 Vac)

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Integrated heater

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Electro-polished 316L sun-shield

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Low maintenance

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## Description

### Thermal imaging

The SA-PTZ T is fitted with a germanium window, which makes the camera suitable for long-wave infrared (LWR) thermal imaging. Siqura's TC-336 and TC-640 thermal modules are made to built in this camera. Its large window size (70 mm in diameter) make it suitable for lenses up to 100 mm.

### Corrosion free 316L construction

The compact SA-PTZ T is designed to withstand the heavy mechanical stress and vibration on board a marine vessel. The thermal PT-camera is made of corrosion proof 316L stainless steel suited to operate in salty or sulfur rich environments. The germanium window is treated with a special hard diamond like coating to protect it against scratches and chemical substances.

### Integrated heater

The built-in heater regulates the humidity inside the camera and prevents ice or condensation to form on the camera's window.

### Special options

This camera is normally used in upright position, in special cases it is possible to have this camera modified mount it up-side down. Vessels that operate in polar regions require ICE Class cameras, running at an ambient temperature down to -30°C. These temperatures require different sealing materials and grease. Please, contact Siqura for these special models.

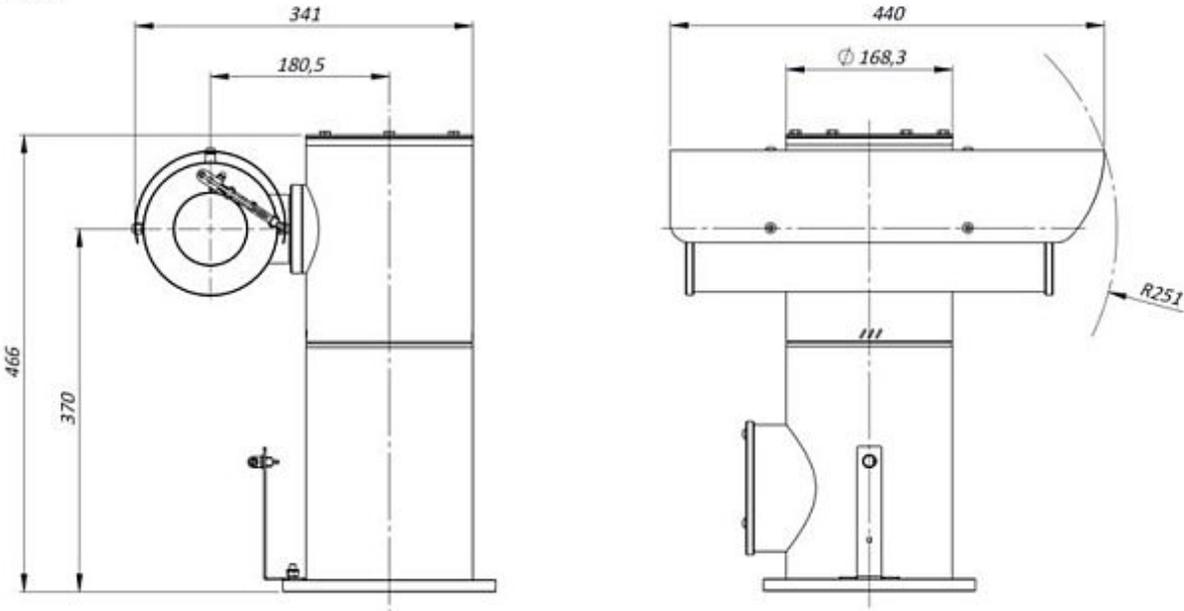
Mechanical	
Ingress protection rating	IP66 / IP67
Body material	Electro-polished 316L stainless steel
Window	AR/DCL coated germanium window
- Size	diameter 70 mm; 3 mm thick
Sunshield	Standard
Rotation	360° Continuous rotation
Tilt angle	+90° to -90°
Variable speed	up to 36°/sec pan and 18°/sec tilt (peak)
Backlash	
Preset accuracy	0.04°
Operating temperature	-20 °C to +75 °C (-4 °F to +167 °F)
Cable entry	2x M25
Weight	24 kg

Electrical			
Power rating	SA-PTZ24T	SA-PTZ115T	SA-PTZ230T
- Voltage	24 Vac +/-10%	115 Vac +/-10%	230 Vac +/-10%
- Frequency	50/60Hz	50/60Hz	50/60Hz
- Dissipation	80 W max	80 W max	80 W max
Internal Heater	Standard		
- Heater control	On:12°C +/- 4°C; Off: 20°C +/- 3°C		
- Heater power dissipation	18W		

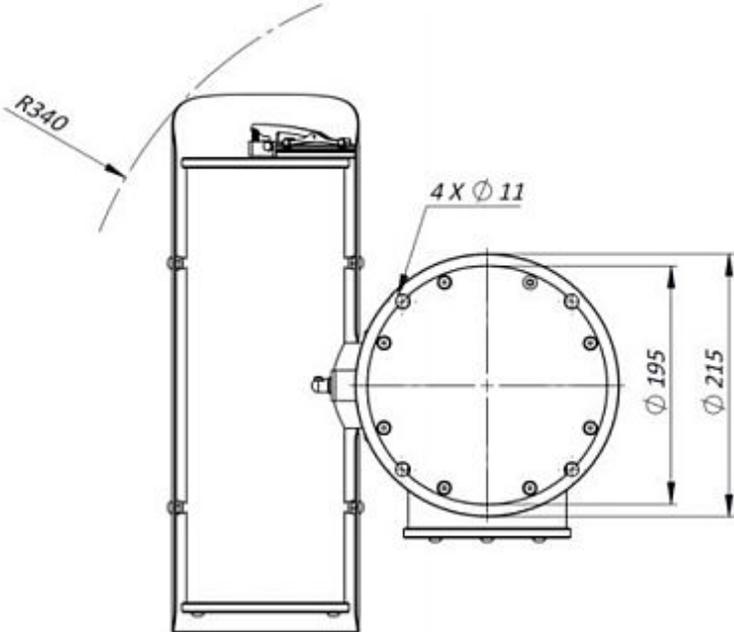
Ordering information	
SA-PTZ24T	Safe Area PTZ Thermal Camera 316L 24VAC
SA-PTZ115T	Safe Area PTZ Thermal Camera 316L 115VAC
SA-PTZ230T	Safe Area PTZ Thermal Camera 316L 230VAC

Maintenance kits	
SA-MK PTZ	Maintenance kit SA PTZ camera: O-Ring, screws, desiccant bags

Dimensions



Mounting pattern:



All dimensions in mm

### COMPATIBILITY MATRIX

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
SA-FIX24	✓			✓		✓		✓	
SA-FIX24W	✓			✓		✓		✓	
SA-FIX24T	✓	✓	✓	✓		✓		✓	
SA-PTZ24	✓			✓					
SA-PTZ24T		✓	✓	✓					
SA-PTZ24D	✓	✓	✓	✓					

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

**RELATED**

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

Assembly thermal modules 336x256 or 640x512

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

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

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**Siqura SA mounting accessories**

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

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