

EX-PTZ D-IR

EX PTZ camera with integrated IR illumination, 316L

DESCRIPTION

The EX-PTZ D-IR 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 infrared illumination and day/night cameras facilitates 24/7 remote camera surveillance and analytics. The dual-head camera housing is not sold separately, it is only available in combination with a Siqura daylight camera module, such as the 33x zoom BC822v2H3-AS, 22x zoom 4K BC980H2-AS, or 4x zoom BC840v2-M04-AS, and an interface/cable tail (INT-RJ, INT-SM or INT-MM)

FEATURES

Corrosion protected 316L stainlesssteel

ATEX, IECEx, UKEX and INMETRO certified

360° Continuous pan and +/-90° tilt

Integrated 850 nm IR-LED illuminatior

34° beam pattern for long distances

IP66 / IP67

Integrated power supply (24, 115 or 230 Vac)

Integrated heater and wiper

Electro-polished 316L sun-shields

Low maintenance





Description

Day-Night camera

One of the tubes of the dual head camera is fitted with Siqura's 33x zoom ip camera, the bc822v2H3-AS, the 22x zoom 4K camera BC980H2-AS, or 4x zoom BC840v2-M04-AS. This part is standard equipped with a wiper and prepared for a washer installation. A 10 litre pressurized washer tank can be obtained separately.

IR-Illumination

The other tube of the dual-head is fitted with a 14-LED infrared illuminator. This powerful IR-LED array gives a circular beam pattern of 15 degrees, enough to observe a person at long distances.

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.

ATEX, IECEx, UKEX and INMETRO certified

The EX-PTZ is fully certified for hazardous areas zone 1 and 2 for gas and zone 21 and 22 for dust for Europe (ATEX), world-wide (IECEx), United kingdom (UKEX), and for Brazil (INMETRO). The certification includes the optical camera modules (BC822v2H3-AS, BC980H2 or BC840v2-M04-AS).

Integrated heater

The camera is fitted with a thermal controlled heater. It regulates the humidity inside the camera and prevents ice or condensation forming on the optical window.



Mechanical

| Wechanical | | | | | | | | | | |
|--------------------------------|--|--|----------------|--|--|--|--|--|--|--|
| Certification | ATEX; IECEx, INMET | ATEX; IECEx, INMETRO, UKEX | | | | | | | | |
| Rating | Ex db op is op pr IIC T5 Gb -40°C Tamb +40°C | | | | | | | | | |
| | Ex tb op is III C T100°C Db -40°C Tamb +40°C | | | | | | | | | |
| | Ex db op is op pr IIB T4 Gb -40°C Tamb +60°C | | | | | | | | | |
| | Ex tb op is III C T135° | Ex tb op is III C T135°C Db -40°C Tamb +60°C | | | | | | | | |
| Ingress protection rating | IP66 / IP67 | IP66 / IP67 | | | | | | | | |
| Impact rating (casing) | IK10 | IK10 | | | | | | | | |
| Body material | Electro-polished 316L | Electro-polished 316L stainless steel | | | | | | | | |
| Window | High-Grade Tempere | High-Grade Tempered Optical Glass | | | | | | | | |
| Camera window size | diameter 75 mm; 10 r | diameter 75 mm; 10 mm thick | | | | | | | | |
| Sunshield | 2x, Standard | 2x, Standard | | | | | | | | |
| Rotation | 360° Continuous rota | 360° Continuous rotation | | | | | | | | |
| Tilt angle | +90° to -90° | +90° to -90° | | | | | | | | |
| Variable speed | up to 36°/sec pan and | up to 36°/sec pan and 18°/sec tilt (peak) | | | | | | | | |
| Drive mechanism | Direct drive | Direct drive | | | | | | | | |
| Backlash | 0.1° | 0.1° | | | | | | | | |
| Preset accuracy | 0.04° | | | | | | | | | |
| Operating temperature (Tamb) | -20 °C to +60 °C (-4 ° | -20 °C to +60 °C (-4 °F to +140 °F) | | | | | | | | |
| Relative humidity | 5% to 100% | | | | | | | | | |
| Cable entry | 1x M25x1.5 | | | | | | | | | |
| Weight | 43.5 kg | | | | | | | | | |
| Electrical | | | | | | | | | | |
| IR illuminator | 14x SMD Led illumina | 14x SMD Led illuminator | | | | | | | | |
| Wavelength | 850nm | 850nm | | | | | | | | |
| Beam-pattern | 34° circular | 34° circular | | | | | | | | |
| Max distance | 150m | | | | | | | | | |
| Power rating | EX-PTZ24D-IR | EX-PTZ115D-IR | EX-PTZ230D-IR | | | | | | | |
| | 24 Vac +/-10% | 115 Vac +/-10% | 230 Vac +/-10% | | | | | | | |
| | 50/60Hz | 50/60Hz | 50/60Hz | | | | | | | |
| Max power consumption | 120W | 120W | 120W | | | | | | | |
| Internal Heater | Standard | | | | | | | | | |
| - Heater control | On:12°C +/- 4°C; Off: | On:12°C +/- 4°C; Off: 20°C +/- 3°C | | | | | | | | |
| Integrated wiper | Standard on the optic | Standard on the optical window | | | | | | | | |
| | | | | | | | | | | |
| Ordering information | | | | | | | | | | |
| EX-PTZ24D-IR | EX PTZ camera with ir | EX PTZ camera with integrated IR illumination, 316L 24VAC | | | | | | | | |
| EX-PTZ115D-IR | EX PTZ camera with ir | EX PTZ camera with integrated IR illumination, 316L 115VAC | | | | | | | | |
| | | EX PTZ camera with integrated IR illumination, 316L 230VAC | | | | | | | | |
| EX-PTZ230D-IR | EX PTZ camera with ir | ntegrated IR illumination, 316L | 230VAC | | | | | | | |
| EX-PTZ230D-IR Maintenance kits | EX PTZ camera with ir | ntegrated IR illumination, 316L | 230VAC | | | | | | | |
| | | ntegrated IR illumination, 316L TZ camera: O-Ring, screws, de | | | | | | | | |



| Housing | Optical camera | | | Thermal camera | | Interface | | | | | |
|--------------|------------------|----------------|--------------------|-----------------------------|-----------------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|
| | BC822v2H3- AS | BC980H2- AS | BC840v2- M04-AS | TC(R1) ² -336 | TC(R1) ² -640 | INT-RJ | INT-RJ5 INT-RJ10 | INT-SM | INT-SM5 INT-SM10 | INT-MM | INT-MM5 INT-MM10 |
| EX-FIX241 | √ | √ | √ | | | √ | √ | √ | √ | √ | √ |
| EX-FIX24W | \checkmark | \checkmark | \checkmark | | | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| EX-FIX24T | | | | √ | √ | √ | \checkmark | √ | √ | √ | √ |
| EX-PTZ24 | \checkmark | \checkmark | \checkmark | | | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| EX-PTZ24T | | | | √ | √ | √ | \checkmark | \checkmark | √ | √ | √ |
| EX-PTZ24D | \checkmark | √ | \checkmark | √ | √ | \checkmark | √ | √3 | √3 | √3 | √3 |
| EX-PTZ24D-IR | ✓ | √ | √ | | | √ | √ | √ | 1 | √ | √ |

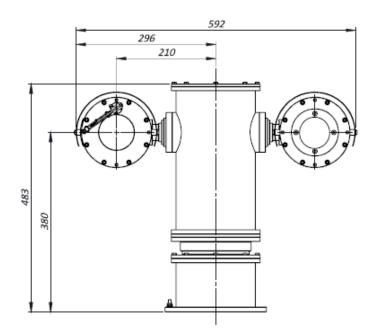
¹: This table also applies to the EX cameras versions for 115 Vac and 230 Vac.

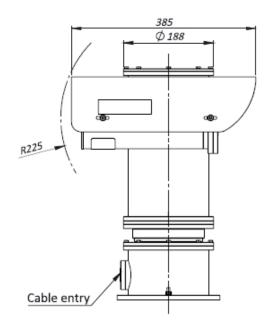
²: R1 version is needed for hot-spot detection.
 ³: Special arrangements needed. Please contact TKH Security.

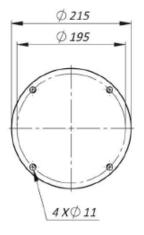
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DIMENSIONS IN MM







GROUP TKH

RELATED



Siqura BC822v2H3-AS Assembly 33x zoom IP camera, 3MP, AF, Day/night, H.265/H.264



Siqura INT-RJ / INT-SM / INT-MM Network Interface and cable tail of the Siqura SA or EX cameras



Siqura EX-JB01 316L Ex e termination box for EX cameras



Siqura EX WP10 10 litres pressurized water tank in 316L cabinet