

EX3-FIX IR SERIES

3rd Generation 316L all weather fixed IR illuminator

DESCRIPTION

The EX3-FIX IR illuminator is made in a rugged, corrosion proof housing designed for use in hazardous areas in onshore, offshore, marine and heavy industrial environments. The housing is constructed from electro-polished 316L stainless steel for maximum corrosion protection. It comes with two M20x1.5 cable entries and is available for 230 Vac power.

FEATURES

Corrosion protected 316L stainless-steel

14 x SMD high power IR Leds

Circular beam patterns 15° or 34°

850 nm wavelength

Integrated power supply

Low maintenance



Description

Corrosion free 316L construction

The EX3-FIX IR EX d housing is suited to be used hazardous, salty or sulfur rich environments. 100% of the camera housing is made of corrosion proof 316L steel.

IR LED technology

The Illuminator is fitted with 14 state-of-the-art 850nm SMD LEDs. The LED array is available in 2 different beampatterns (15° or 34°) for optimal illumination.

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Mechanical

| | |
|----------------------------|---------------------------------------|
| Ingress protection rating | IP66/ IP67 |
| Impact rating (casing) | IK10 |
| Body material | Electro-polished 316L stainless steel |
| Sunshield | No |
| Ambient temperature (Tamb) | -60 °C to +60°C, +75 °C peak |
| - Cold start | -30°C |
| Cable entry | 2x M25x1.5 |
| Weight | 8 kg (packaged: 9.5 kg) |

Certifications

| | |
|---------------------------|---|
| Certification | ATEX; IECEx, UKEX, INMETRO |
| Rating | II 2 G Ex db IIC T5/4 Gb -60°C Tamb +40/60°C II 2 D Ex tb IIIC 100/135°C Db -60°C Tamb +40/60°C |
| Ingress protection rating | IP66, IP68 (3m, 30min) and IP69, Nema-4x |
| Impact rating (casing) | IK10 |
| Vibrations and shock | EN/IEC 60068-2-6; EN/IEC 60068-2-27; DNV-CG-0339 |
| ATEX/UKEX Standards | EN 60079-0; EN 60079-1; EN 60079-31 |
| IECEX Standards | IEC 60079-0; IEC 60079-1; IEC 60079-31 |
| INMETRO Standards | ABNT NBR IEC 60079-0:2020 ABNT NBR IEC 60079-1:2016 ABNT NBR IEC 60079-31:2022 |
| EMC | EN 55035; EN/IEC 61000-6-4; EN/IEC 61000-3-2; EN/IEC 61000-3-3; EN/IEC 61000-6-2; CISPR-32; CISPR-35 |
| LVD | EN/IEC 62368-1 |

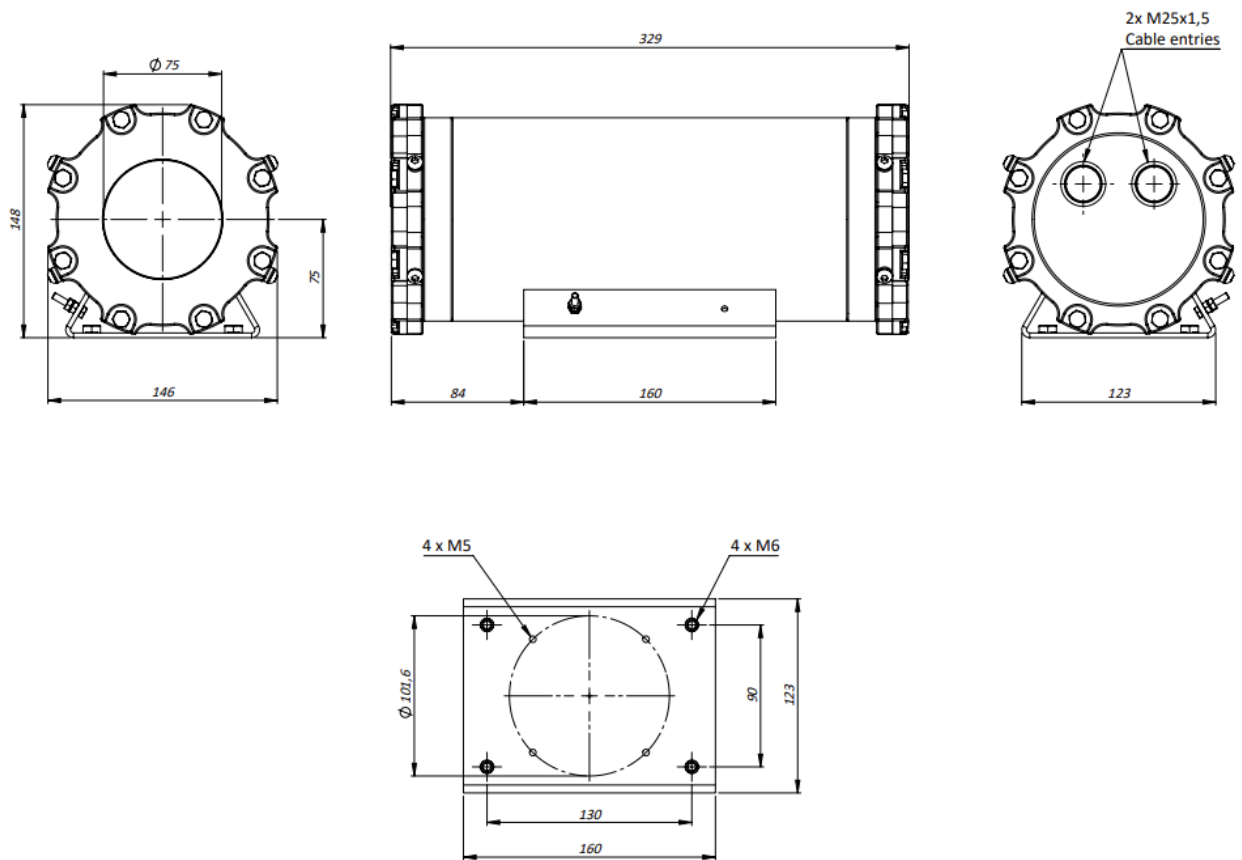
Electrical

| | |
|----------------------|--|
| Power rating | AC or DC 24 V, AC 120 V, AC 230 V (+/-10%) |
| Power consumption | 25 W |
| IR LEDs | 14 |
| Wavelength | 850 nm |
| Circular beampattern | |
| - EX-FIX24IR15 | 15° |
| - EX-FIX24IR34 | 34° |

Ordering information

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|----------------|--|
| EX3-FIX24IR15 | 3rd Gen EX 15° IR-illuminator, 24 VAC |
| EX3-FIX24IR34 | 3rd Gen EX 34° IR-illuminator, 24 VAC |
| EX3-FIX115IR15 | 3rd Gen EX 15° IR-illuminator, 120 VAC |
| EX3-FIX115IR34 | 3rd Gen EX 34° IR-illuminator, 120 VAC |
| EX3-FIX230IR15 | 3rd Gen EX 15° IR-illuminator, 230 VAC |
| EX3-FIX230IR34 | 3rd Gen EX 34° IR-illuminator, 230 VAC |
| EX/SA-MB-2FIX | Mounting bracket for 2 FIX camera housings |

DIMENSIONS IN MM.



RELATED



Siqura EX mounting accessories

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