

EC-940-PTZ-A3P-W20-01 Art. No. 279911



- Certified for hazardous Zones 1, 2, 21, 22 acc. to ATEX, IECEx, NEC, CEC, LR
- Enclosure made from shot peened and electropolished stainless steel (316L), ideal for clean rooms as well as the oil and gas industries
- Precise, analogue pan-tilt surveillance camera
- Day / night - functionality
- Focus on any one point in under 2 seconds Up to 100°/s. Extremely exact positioning 0.02°.

MY R. STAHL EC940PTZAA



Use R. STAHL's EC-940-PTZ camera to keep all monitored areas in perfect view and to pan from one object to the next in no time at all - after all, it is one of the fastest pan-tilt camera for hazardous areas. Its high resolution (550 TVL) and 36x zoom provides detailed images, and a wiper ensures free view at all times, making this surveillance camera ideal for all-round and detailed surveillance. The camera functions are controlled via RS-485 and PELCO D, Panasonic, etc. This analogue surveillance camera series transmits images in real-time, providing users with a non-stop overview in time-critical applications. In addition, it is seawater-proof and degree of protection IP66 means it can be operated in temperatures ranging from -40 °C to +65 °C, for example on drilling rigs, refineries or tankfarms, as well as for monitoring processes in the chemical and pharmaceutical production and in clean rooms.

Technical Data

Explosion Protection

| | |
|-----------------------------------|-------------------------------|
| Application range (zones) | 1 2 21 22 |
| Certifications | ATEX, IECEx, NEC, CEC |
| NEC / CEC certification | E482740 |
| IECEx gas certificate | ULD 16.0005X |
| IECEx gas explosion protection | Ex db IIC T6 Gb |
| IECEx dust certificate | ULD 16.0005X |
| IECEx dust explosion protection | Ex tb IIIC 85 °C Db |
| ATEX gas certificate | 16 ATEX 1674X |
| ATEX gas explosion protection | Ex II 2 G Ex db IIC T6 Gb |
| ATEX dust certificate | 16 ATEX 1674X |
| ATEX dust explosion protection | Ex II 2 D Ex tb IIIC 85 °C Db |
| cULus certificate | E482740 |
| NEC 505 gas explosion protection | Class I, Zone 1 AEx db IIC T6 |
| NEC 505 dust explosion protection | Zone 21 AEx tb IIIC T85°C |
| Lloyd's Register categories | ENV1, ENV2, ENV3, ENV5 |
| Ship certificates | Lloyd's |

Electrical Data

| | |
|------------------------------|------|
| Rated operational voltage AC | 24 V |
| Rated operational voltage DC | |

EC-940-PTZ-A3P-W20-01 Art. No. 279911

Electrical Data

| | |
|------------------------------|--------------------|
| Rated operational current AC | 5 A |
| Power consumption | 120 W |
| Interfaces | RS-485 half duplex |
| I/O alarm | 5x alarm input |
| I/O relay | 2x relay output |

Camera Data

| | |
|------------------------------|---|
| Sensor | 1/4 EXView HAD CCD |
| TV system | PAL |
| Lens | f = 3.4 (w) to 122.4 mm (t) From F1.6 to F4.5 |
| Viewing angle | 57.8° (wide), 1.7° (tele.) |
| Focus | Auto, manual, trigger |
| Zoom | 36x optical |
| Resolution | 550 TVL |
| Number of preset positions | Up to 250 |
| Accuracy of preset positions | 0.02 ° |
| Minimum working distance | 10 mm (wide), 1500 mm (tele) |
| Horizontal speed (variable) | 0,1°/s ... 100°/s |
| Vertical speed (variable) | 0,1°/s ... 100°/s |
| S/N ratio | > 50 dB |
| Back light compensation | On/Off |
| Electronic shutter | 1/1 to 1/10,000s |
| White balance | Auto, ATW, internal, external (Fixed, auto), sodium vapour lamp (Fixed, auto) |
| Wide Dynamik Range | Fixed / Auto |

Software

| | |
|-------------------------------|---|
| Serial Communication Protocol | American Dynamics, Ernitec, Panasonic, Pelco D, Macro |
|-------------------------------|---|

Ambient Conditions

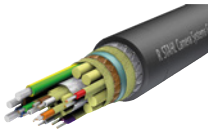




| | |
|---------------------------------|-------------------|
| Ambient temperature | -40 °C ... +60 °C |
| Cold start range (with heating) | -40 °C |

Mechanical Data

| | |
|---------------------------|---|
| Version | Movable viewing angle |
| Degree of protection (IP) | IP66 |
| Enclosure material | Stainless steel 316L |
| Surface treatment | Shotblasted + electropolished |
| Cable length | 0 m |
| Opening for cable gland | 2 x 3/4" NPT |
| Slewing range | 360° continuous |
| Tilt range | -90° ... +90° |
| Integrated wiper | Yes |
| Feature | Dynamic position control Advanced image stabilisation |
| Package weight | 29 kg |
| Package dimensions | 540 x 310 x 490 mm |
| Weight | 26.5 kg |
| Weight | 58.42 lb |

EC-940-PTZ-A3P-W20-01 Art. No. 279911

Accessories

| Camera multi-cable armoured | | Art. No. |
|--|---|----------|
|  | VB-CAM-MULTI-Analog-ARM 1 x coaxial cable 3 x power supply 2.5 mm ² 7 x data cable 0.34 mm ² -60 °C ... +80 °C 16.5 ±0.3 mm outer diameter IEC 60332-1 flame-resistant IEC 60754-2 halogen-free DIN 60811-404 oil-resistant NEK 606 mud-resistant | 252572 |
| Wall bracket | | Art. No. |
|  | WB-EC- 940-PTZ/EC-941 Wall bracket for EC-940-PTZ and EC-941 Material: 316L (1.4404) stainless steel, electropolished Load capacity: max. 40 kg Length: 400 mm | 251364 |
| Pole mounting | | Art. No. |
|  | PMA-EC-940-PTZ/EC-941 Pole mount adaptor for EC-940-PTZ and EC-941 Material: 316L (1.4404) stainless steel, electropolished For pole diameter 110 ... 150 mm Load capacity: max. 50 kg Only together with wall bracket WB-EC-940-PTZ/EC-941 | 251362 |
| Corner adapter module | | Art. No. |
|  | CMA-EC-940-PTZ/EC-941 Corner adapter module EC-940-PTZ and EC-941 Material: 316L (1.4404) stainless steel, electropolished Capacity: max. 50 kg WxH: 335 x 186 mm Only together with wall bracket WB-EC-940-PTZ/EC-941 | 251363 |
| Parapet mounting bracket | | Art. No. |
|  | PB-EC-940-PTZ/EC-941 Parapet mounting bracket for EC-940-PTZ and EC-941 Material: 316L (1.4404) stainless steel, electropolished Load capacity: max. 40 kg Diameter: 238 mm | 251365 |
| Water tank | | Art. No. |
|  | WaterTank 10-PV-A 316L (1.4404) stainless-steel enclosure, electropolished Capacity 10 litres Pressure generation by manual pumping or with compressed air Pressure: max 6 bar 24 V AC/DC, max 20 W Temp. range -40 °C to +60 °C (depending on freezing point of liquid used) ATEX certified Zone 1, 2 Suitable for EC-94x-PTZ and EC-940S-AFZ | 251366 |

EC-940-PTZ-A3P-W20-01 Art. No. 279911

Cable glands

Art. No.



CMP-25sPX2K-REX-MsNi-NPT 3/4"-SET

Cable gland with RapidEx compound
explosion-protected
for EC-940-PTZ

Set consisting of:

251734 CMP-25sPX2K-REX KLE MsNi NPT 3/4"

250599 CMP-RAPIDEX30

275572

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.