

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 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	
Rated operational current AC	5 A
Power consumption	120 W
Interfaces	RS-485 half duplex

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### Electrical Data

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
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### 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

## Accessories

Camera multi-cable armoured

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	<p><b>VB-CAM-MULTI-Analog-ARM</b>                  1 x coaxial cable                  3 x power supply 2.5 mm<sup>2</sup>                  7 x data cable 0.34 mm<sup>2</sup>                  -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</p>	<p>252572</p>
<p><b>Wall bracket</b> <span style="float: right;"><b>Art. No.</b></span></p>		
	<p><b>WB-EC-940-PTZ/EC-941</b>                  Wall bracket for EC-940-PTZ and EC-941                  Material: 316L (1.4404) stainless steel, electropolished                  Load capacity: max. 40 kg                  Length: 400 mm</p>	<p>251364</p>
<p><b>Pole mounting</b> <span style="float: right;"><b>Art. No.</b></span></p>		
	<p><b>PMA-EC-940-PTZ/EC-941</b>                  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</p>	<p>251362</p>
<p><b>Corner adapter module</b> <span style="float: right;"><b>Art. No.</b></span></p>		
	<p><b>CMA-EC-940-PTZ/EC-941</b>                  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</p>	<p>251363</p>
<p><b>Parapet mounting bracket</b> <span style="float: right;"><b>Art. No.</b></span></p>		
	<p><b>PB-EC-940-PTZ/EC-941</b>                  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</p>	<p>251365</p>
<p><b>Water tank</b> <span style="float: right;"><b>Art. No.</b></span></p>		
	<p><b>WaterTank 10-PV-A</b>                  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</p>	<p>251366</p>

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### 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

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