

EC-940-PTZ-A3N-W20-01 Art. No. 279912



- 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	NTSC
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

Art. No.

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	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

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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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