

EC-940-PTZ-HFI-W2B Art. No. 271545



- Certified for hazardous zones 1, 2, 21, 22 acc. to ATEX, IECEx, NEC, CEC, EAC
- Low-Light-Technology for extremely detailed images, even in difficult lighting conditions
- Enclosure made from electropolished stainless steel (316L), ideal for clean rooms as well as the oil and gas industries
- Extremely precise pan-tilt surveillance camera with Full HD resolution (1920 x 1080)
- Focus on any one point in under 2 seconds, up to 100°/s, extremely exact positioning 0.02°

WebCode **EC940PTZIA**



ONVIF 3.0



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 the fastest pan-tilt camera for hazardous areas. Its Full HD resolution provides detailed images, and a wiper ensures free view at all times, making this surveillance camera ideal for all-round and detailed surveillance. It can be incorporated into state-of-the-art video systems worldwide, using the ONVIF protocol (Profile S and Q). In addition, it is seawater-proof and degree of protection IP66 means it can be operated in temperatures ranging from -40 °C to +60 °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, EAC
Certification NEC / CEC	UL 20180720-E482740
IECEx gas certificate	ULD 16.0005X
Gas explosion protection IECEx	Ex db IIC T6 GbTa -40 °C to +60 °C
IECEx dust certificate	ULD 16.0005X
Dust explosion protection IECEx	Ex tb IIIC 85 °C Db Ta -40 °C to +60 °C
ATEX gas certificate	16 ATEX 1674X
Gas explosion protection ATEX	⊕ II 2 G Ex db IIC T6 Gb Ta -40 °C to +60 °C
ATEX dust certificate	16 ATEX 1674X
Dust explosion protection ATEX	⊕ II 2 D Ex tb IIIC 85 °C Db Ta -40 °C to +60 °C
Gas explosion protection NEC 505	Class I, Zone 1 AEx db IIC T6
NEC 505 dust explosion prot.	Zone 21 AEx tb IIIC T85°C
CEC gas explosion protection	Ex db IIC T6 Gb
CEC dust explosion protection	Ex tb IIIC T85°C Db
EAC certificate	EAEU RU C-DE.HA91.B.00013/19
Gas explosion protection EAC	1 Ex d IIC T6 Gb X
Dust explosion protection EAC	Ex tb IIIC T85 °C Db X
Lloyd's Register categories	ENV1, ENV2, ENV3, ENV5
Ship certificates	Lloyd's

EC-940-PTZ-HFI-W2B Art. No. 271545

Electrical Data

Rated operational voltage AC	24 V
Rated operational current AC	5 A
Connection	Ethernet LAN 100Base-TX, RJ45
I/O alarm	1x alarm input
I/O relay	1x relay output

Camera Data

Sensor	1/2.8 CMOS
Lens	f = 4.5 (w) to 135 mm (t), From F1.6 to F9.6
Viewing angle	61,6° (wide), 2,5° (tele)
Focus	Auto, manual, trigger
Zoom	30x optical
Resolution	Full HD 1080p 1920x1080 pixel
Pixel	Approx. 2.38 megapixels
Amount presetpositions	up to 250
Accuracy of presetpositions	0.02 °
Minimum illumination B/W (ICR-ON)	0.0006lx, F1.6, 30 IRE
Minimum illumination color (ICR-OFF)	0.0060 lx F1.6, 30 IRE
Horizontal speed (vari)	0,1°/s ... 100°/s
Vertical speed (vari)	0,1°/s ... 100°/s
Number of streams	3 independent video streams Full HD
Frame rate (fps)	1 to 60 frames per second
Electronic shutter	1/1 to 1/10000s
Compression	H.264, MJPEG, JPEG, MPEG4
Amount privacy-maskings	0
De-fog	On / Off
WDR (dynamic range)	120 dB
White balance	Auto, manual
Motion detection	Yes
Web server	Yes

Software

Network protocol	ONVIF profile S and Q
Network Configuration	TCP/IPv4-IPv6, UDP/IPv4-IPv6, HTTP, HTTPS, NTP, DHCP, WS-DISCOVERY, DSCP, IGMP (Multicast), SOAP, DNS
Streaming	RTSP, RTCP, RTP/IPv4, HTTP Multicast

Ambient Conditions

Ambient temperature	-40 °C ... +60 °C
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Mechanical Data

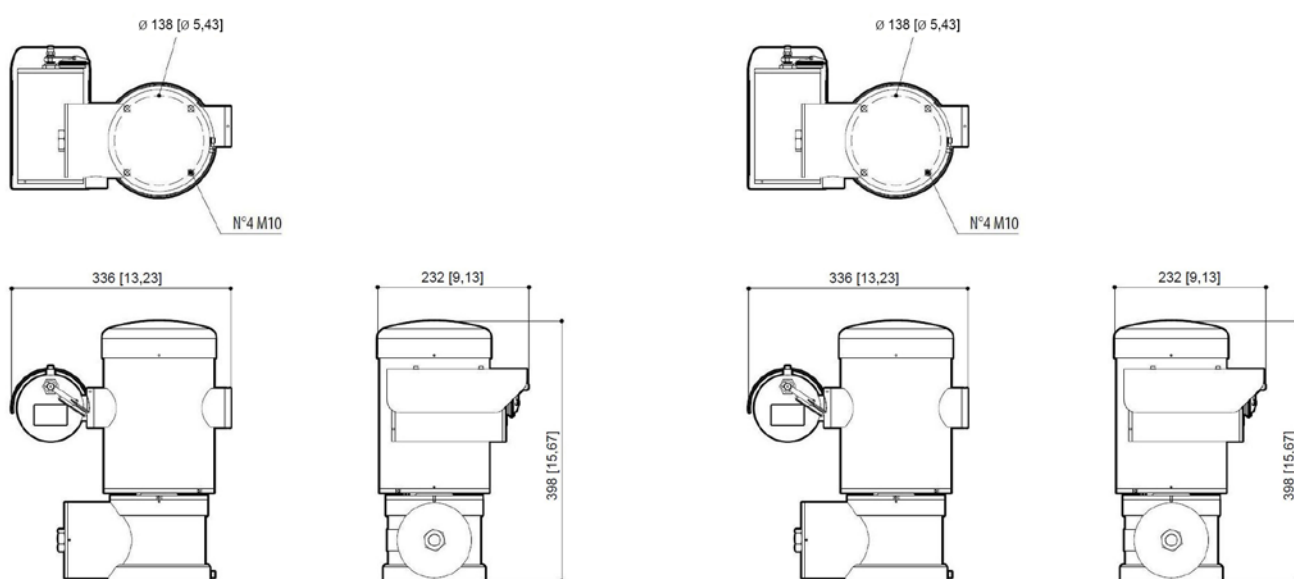
Version	Movable viewing angle
Degree of protection (IP)	IP66
Enclosure material	1.4404 stainless steel
Surface treatment	Passivated and electropolished
Cable length	0 m
Opening for cable gland	1 x 3/4" NPT
Schwenkbereich	360°

EC-940-PTZ-HFI-W2B Art. No. 271545



Mechanical Data

Tilt range	-90° ... +90°
Integrated wiper	Yes
Feature	Dynamic position control
Package weight	30.4 kg
Package dimensions	540 x 310 x 490 mm
Weight	27 kg
Weight	59.52 lb

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Accessories and Spare Parts

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

EC-940-PTZ-HFI-W2B Art. No. 271545

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

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

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Water tank

Art. No.



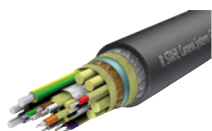
Water tank 10-PV-A

316L (1.4404) stainless-steel enclosure, electropolished
 Capacity 10 litres
 Pressure generation by manual pumping or with compressed air
 Pressure: max 4 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-940-PTZ and EC-940S-AFZ

251366

Camera multi-cable armoured

Art. No.



VB-CAM-MULTI-Ethernet-ARM

1 x Ethernet cable
 3 x power supplies 2.5 mm²
 7 x data cable 0.34 mm²
 -60 °C ... +80 °C
 19.2 ±0.5 mm outer diameter
 IEC 60332-1 flame-resistant
 IEC 60754-2 halogen-free
 DIN 60811-404 oil-resistant
 NEK 606 mud-resistant
 Price per metre

252571

Cable glands

Art. No.



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

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

275572

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