

EC-940-AFZ-HDI-O5H-R1 Art. No. 266897



- Ethernet copper connection, PoE possible
- Ex e connection box for easy installation
- Modern IP camera with ONVIF protocol (Profile S) and Full HD
- Day / night - functionality
- Certified acc. to ATEX and IECEx

MY R. STAHL EC940AFZA



The R. STAHL's EC-940-AFZ zoom camera has an Ex e connection box, making installation in hazardous areas especially easy. This camera is equipped with a Ethernet copper connection and designed for a voltage supply of 24 VDC. Alternatively, power can be supplied via PoE (Power over Ethernet Class 3) if no heating operation is desired. It provides clear images even in difficult light - this is ensured by the 32x optical zoom, the WDR image optimisation and the de-fog function, which sharpens contrast in light fog. The camera is integrated into the surveillance system via the ONVIF protocol (Profile S). These robust surveillance camera in an electropolished stainless steel enclosure (316L) is suitable for temperatures ranging from 10 °C and +60 °C (no heating operation) or -55 °C and +65 °C (with heating operation) and certified acc. to ATEX and IECEx for hazardous areas.

Technical Data

Explosion Protection

Application range (zones)	1, 2, 21, 22
IECEX gas certificate	PTB 16.0032X
IECEX gas explosion protection	Ex db eb IIC T4 Gb
IECEX dust certificate	PTB 16.0032X
IECEX dust explosion protection	Ex tb eb IIIC 135 °C Db
ATEX gas certificate	16 ATEX 1019X
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC T4 Gb
ATEX dust certificate	16 ATEX 1019X
ATEX dust explosion protection	Ex II 2 D Ex tb eb IIIC 135 °C Db

Electrical Data

Rated operational voltage AC	
Rated operational voltage DC	24 V
Rated operational current for DC	1.5 A
Interfaces	TX
Connection	Ethernet port LAN 10/100 T

Camera Data

Sensor	1/2.8 CMOS
Lens	f = 4.44 (w) to 142.6 mm (t) From F1.6 to F4.4
Viewing angle	62.8° (wide), 2.23° (tele.)
Focus	Automatic focus
Zoom	32x optical
Resolution	Full HD to 320x180 p

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Camera Data

Pixel	Approx. 2.38 megapixels
Accuracy of preset positions	0.02 °
Minimum working distance	1500 mm (wide/tele)
Min.light. B/W (ICR-ON)	0.03 lx, F1.6, 1/30s, 50 IRE
Minimum illumination B/W (ICR-ON)	0.03 lx, F1.6, 1/30s, 50 IRE
Minimum illumination color (ICR-OFF)	0.3 lx F1.6, 1/30S, 50 IRE
Number of streams	Multistream 10 profiles
Frame rate (fps)	H.264 max. 60, MJPEG 15 or 30
S/N ratio	50 dB
Back light compensation	Off / BLC
Electronic shutter	2 to 1/12000s
Compression	H.264, MJPEG
No. of privacy maskings	32
De-fog	Off / Auto / Manual
WDR (dynamic range)	120 dB
White balance	ATW, AWC, manual, internal, External, mercury
Wide Dynamik Range	On/Off
Number of streams 1	Multistream 10 profiles

Software

Network protocol	ONVIF profile S
Network Configuration	TCP/IPv4-IPv6, UDP/IPv4-IP6, http, NTP, DHCP, QoS, IGMP, Bonjour
Streaming	Unicast / Multicast

Ambient Conditions

Ambient temperature	-40 °C ... +65 °C
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Mechanical Data

Version	Movable viewing angle
Degree of protection (IP)	IP66
Enclosure material	Stainless steel 1.4404
Surface treatment	Electropolished
Cable length	0 m
Integrated wiper	No
Feature	Ex-e compartment
Package weight	0 kg
Scope of delivery	SAP 266899 sun roof incl.
Weight	16 kg
Weight	35.27 lb

Accessories

Camera multi-cable armoured

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	VB-CAM-MULTI-Ethernet-ARM 1 x Ethernet cable 3 x power supplies 2.5 mm ² 7 x data cable 0.34 mm ² -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 and weight per m	252571
Wall mount		
	Wall Bracket EC-940-AFZ Suitable for EC-940-AFZ Material: 316L stainless steel, electropolished Weight: ca. 8 kg Load bearing capacity: max. 40 kg WxH: 200 x 160 x 330 mm	Art. No. 257043
Pole adapter module		
	Pole adapter module EC-940-AFZ Suitable for EC-940-AFZ Material: 316L stainless steel, electropolished Weight: ca. 4.7 kg Load bearing capacity: max. 40 kg WxH: 214 x 194 mm For pole diameter 88 ... 150 mm May only be used together with wall bracket EC-940-AFZ type 257043	Art. No. 257047
Corner adapter		
	Corner adapter EC-940-AFZ Suitable for EC-940-AFZ series Material: 316L SST, electropolished Load bearing capacity: max. 40 kg WxHxD: 355 x 150 x 211 mm Weight: ca. 3.2 kg May only be used together with wall bracket EC-940-AFZ type 257043	Art. No. 257048
Ceiling holder		
	Parapet mounting EC-940-AFZ Suitable for EC-940-AFZ Material: 316L stainless steel, electropolished Weight: ca. 4.5 kg Load bearing capacity: max. 40 kg WxHxD: 200 x 450.5 x 330 mm	Art. No. 257049
PoE++ Extender		
	PoE++ Extender EC-940-HDI-O6H Cable type: ideally, CAT5e or better Supports Jumbo Frames up to a max. of 9 kB Input voltage: 52 ... 57 V DC Energy consumption: max. 80 W -20 ... +75 °C LxBxH: 126 x 95.3 x 30 mm	Art. No. 256800

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