

EC-941-V2C02T0M000 Art. No. 278701



- PTZ camera with „dynamic masking“ for anonymisation of staff members and objects
- Full HD, low-light technology, ONVIF Q, S, T, electronic image stabilisation, and direct fibre optic connection
- Extremely fast rotating, extremely precise and up to 218 pre-sets
- Ambient temperature -40° ... +65 °C
- Certified for hazardous areas Zone 1, 2, 21, 22, according to ATEX, ATEX, IECEx, NEC / CEC, Lloyd's

MY R. STAHL EC941A



ONVIF 000



Our modern EC-941 PTZ range of cameras comes with a great deal of state-of-the-art functionalities:

All cameras come with the „dynamic masking“ feature to anonymise video data of faces so that they are no longer identifiable according to relevant privacy regulations.

### Technical Data

#### Explosion Protection

Application range (zones)	1, 2, 21, 22
IECEX gas certificate	ULD 16.0005X
IECEX gas explosion protection	Ex db IIC T6...T5 Gb
IECEX dust certificate	ULD 16.0005X
IECEX dust explosion protection	Ex tb IIIC 100 °C Db
ATEX gas certificate	16 ATEX 1674X
ATEX gas explosion protection	⊕ II 2 G Ex db IIC T6...T5 Gb
ATEX dust certificate	16 ATEX 1674X
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC 100 °C Db
cULus certificate	E482740
Lloyd's Register categories	ENV1, ENV2, ENV3, ENV5
Ship certificates	LR
Notice certification	When using the camera in maritime areas, the power line filter EPCOS / TDK B84112G0000B060 (279754) must be used !

#### Electrical Data

Rated operational voltage AC	24 V
Rated operational voltage DC	
Rated operational current AC	5 A
Power consumption	120 W
Interfaces	SFP port & RJ45 socket
Connection	10/100Base-T, 100Base FX
I/O alarm	1x alarm input
I/O relay	2x relay output

#### Camera Data

Sensor	1/2.8" Exmor R CMOS
Lens	f = 4.3 (w) to 129 mm (t) From F1.6 to F14

EC-941-V2C02T0M000 Art. No. 278701

### Camera Data

Viewing angle	63.7° to 2.3° H, 38.5° to 1.3° V
Focus	Auto, manual, trigger
Zoom	30x optical
Resolution	Full HD 1080p 1920x1080 pixels
Pixel	2.13 megapixels
Number of preset positions	Up to 250
Accuracy of preset positions	0.02 °
Minimum illumination B/W (ICR-ON)	0.0008 lx, 30 IRE
Minimum illumination color (ICR-OFF)	0.0013 lx 50 IRE
Horizontal speed (variable)	0,1°/s ... 100°/s
Vertical speed (variable)	0,1°/s ... 100°/s
Number of streams	3 independent video streams
Frame rate (fps)	1 to 60 frames per second
Back light compensation	On/Off
Compression	H.264, MJPEG, JPEG, MPEG4
No. of privacy maskings	24 (8 simultaneously)
De-fog	Off/Low/Mid/High
WDR (dynamic range)	120 dB
White balance	AWB, ATW, internal, external (Fixed, auto), sodium vapour lamp (Fixed, auto, external auto)
Wide Dynamik Range	On/Off Light level, selection of Brightness compensation Light compensation level
Motion detection	Yes
Web server	Yes

### Software

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

### Ambient Conditions

Ambient temperature	-40 °C ... +65 °C
Cold start range (with heating)	-40°C up to -10°C

### Mechanical Data

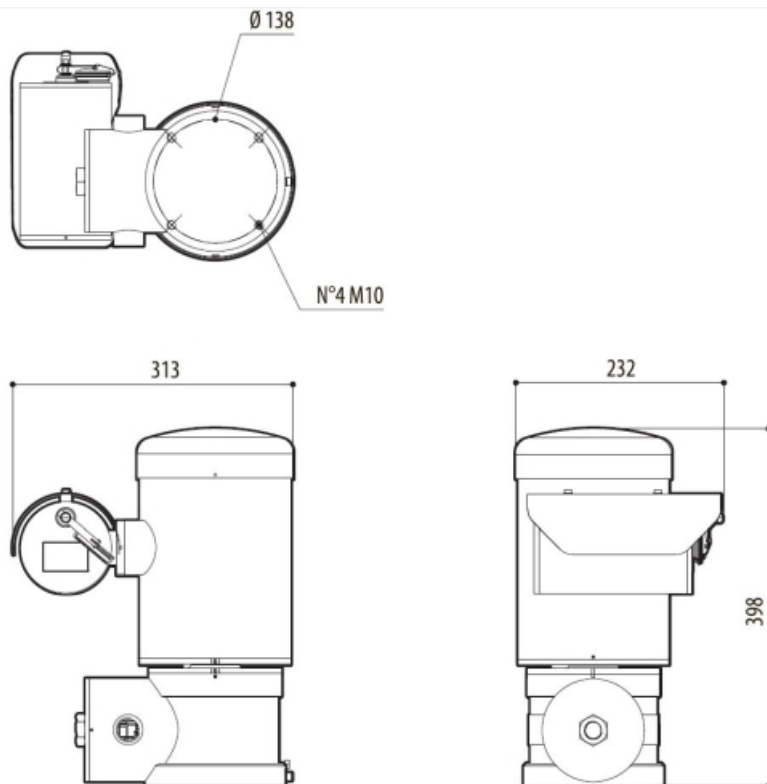
Version	Low-light technology
Degree of protection (IP)	IP66, 67, 68, 69
Enclosure material	Stainless steel 316L
Surface treatment	Shotblasted + electropolished
Cable length	0 m
Opening for cable gland	2 x 3/4" NPT
Slewing range	360° continuous
Tilt range	-90° ... +90°
Integrated wiper	Yes
Feature	Dynamic position control Advanced image stabilisation
Package weight	29 kg
Package dimensions	500 x 420 x 260 mm
Weight	26.5 kg

EC-941-V2C02T0M000 Art. No. 278701

**Mechanical Data**

Weight	58.42 lb
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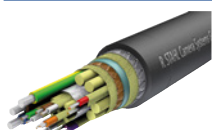
**Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations**



**Accessories**

**Camera multi-cable armoured**

**Art. No.**





**VB-CAM-MULTI-Ethernet-ARM**

- 1 x Ethernet cable
- 3 x power supplies 2.5 mm<sup>2</sup>
- 7 x data cable 0.34 mm<sup>2</sup>
- 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

EC-941-V2C02T0M000 Art. No. 278701


### Ex e Terminal box

	Art. No.
 <p><b>JCT-8146-Ethernet+Analog 5xcable glands</b> Terminal box, polyester resin Version for ethernet Tx or analog cameras Dimensions without cable glands (HxWxD): 340.5 mm x 340.5 mm x 91 mm Ingress protection: IP66 equipped with: 5 x cable glands: 2 x CMP-25SC2KVAR KLE MsNi M25x1.5 1 x 8161/7-M25-1707 with red stopping plug 2 x 8161/7-M20-1304 with red stopping plug usable for: EC-750, EC-910-AFZ, EC-940S-AFZ (ATEX, IECEx) EC-840S-TIC (ATEX, IECEx), EC-94x-PTZ, Water tank</p>	265668
 <p><b>JCT-8146-22P-FO-BOX-4xM20-1xM25-R1.1</b> Terminal box, polyester resin Version for ethernet Tx and Fx, IP cameras Dimensions (HxWxD): 340.5 mm x 340.5 mm x 91 mm screwed lid Protection class: IP 66 Including TAG label (Formica) equipped with: 01x Telegärtner mounting rail distributor (6x SC Duplex) 20x Phoenix terminal block UT 2.5 02x Phoenix protective conductor terminal USLKG5 Cable entries: 01x brass plate 01x CMP 20sA2F M20, MsNi 01x CMP 20s16A2F M20, MsNi 02x M20 sealing plugs, nickel-plated brass (enclosed) 02x CMP 20sC2K M20, MsNi 01x CMP 25SC2KVAR M25, MsNi usable for: EC-941-PTZ</p>	286343

### Wall bracket

	Art. No.
 <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>	251364


### Pole mounting

	Art. No.
 <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>	251362

EC-941-V2C02T0M000 Art. No. 278701


Corner adapter module

Art. No.

	<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>
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Parapet mounting bracket

Art. No.

	<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>
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Power line filter

Art. No.

	<p><b>EMC filter TDK, 1phase, 250VAC, 6A</b>                  EPCOS / TDK B84112G0000B060                  Mandatory for use of cameras in maritime applications                  Filter Type: EMC Power Line Filter                  Voltage Rating: 250 V                  Current Rating: 6 A                  Mounting Style: Chassis Mount                  Termination Style: Tab Connector                  Leakage Current: 0.369 mA                  Operating Frequency: 50 Hz / 60 Hz                  Construction                  2-line filter                  Metal case                  Polyurethane potting (UL 94 V-0)                  ENEC, UL and cUL approval</p>	<p>279754</p>
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Water tank

Art. No.


	<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.

	<p><b>CMP-20s16PXSS2K-REX KLE MsNi 3/4" OR</b>                  Metal cable gland                  explosion protected                  for unarmoured cable                  Clamping range: 3.1 ... 8.6 mm                  Potting compound 250599 CMP-RAPIDEX30 is additionally required</p>	<p>282717</p>
	<p><b>CMP-20sPXSS2K-REX KLE MsNi 3/4" OR</b>                  Metal cable gland                  explosion protected                  for unarmoured cable                  Clamping range: 6.1 ... 11.7 mm                  Potting compound 250599 CMP-RAPIDEX30 is additionally required</p>	<p>282687</p>

EC-941-V2C02T0M000 Art. No. 278701

	<p><b>CMP-25sPX2K-REX cab.gl. n-pl. br. NPT 3/4"</b>                  Metal cable gland                  Explosion-protected                  For armoured cables (suitable for 252571 VB-CAM-MULTI-Ethernet-ARM cables)                  Cable dia. range: 14 to 22 mm                  250599 CMP-RAPIDEX30 compound is also required</p>	<p>251734</p>
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SFP Module		Art. No.
	<p><b>SFP Moxa SFP-1FEMLC-T</b>                  Can be used in camera EC-941                  Transmission: multi-mode                  Power consumption: max. 1 W                  Bandwidth: 100Base-FX / 100MBit/s                  Wavelength: 1310 nm                  Connector: LC duplex                  Distance: 2 km / 4 km                  Temperature range: -40 ° C ... + 85 ° C</p>	<p>282714</p>
	<p><b>SFP Barox AC-SFP-FXMME 100MB MM T</b>                  Can be used in Barox Switch in safe areas, not useable in camera EC-941                  Transmission: multi-mode                  Bandwidth: 100Base-FX / 100MBit/s                  Wavelength: 1310 nm                  Connector: LC duplex                  Distance: 2 km                  Temperature range: -40 ° C ... + 85 ° C</p>	<p>276421</p>

### Spare Parts

Potting compound		Art. No.
	<p><b>CMP-RAPIDEX30</b>                  Potting compound for cable glands</p>	<p>250599</p>

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