

EC-942-TXP3TV2-SM-S Art. No. 338358



- PTZ camera with super-high optical zoom (40x)
- Easy maintenance – innovative modular system
- Single mode fibre optic and 230 VAC power supply
- Cleaning wiper, electronic image stabiliser and edge recording
- Wide temperature range: -60 °C ... +60 °C, +75 °C peak

MY R. STAHL EC942A



The EC-942-TXP3TV2-SM-S PTZ camera is a certified camera station made entirely of electropolished AISI316L stainless steel and specially designed for use in potentially explosive areas. It's equipped with the latest generation of a day/night IP camera, a sun shield, a heater and a wind-screen wiper.

The EC-942-TXP3TV2-SM-S camera uses the latest technologies and is a great video surveillance solution for potentially explosive applications such as oil and gas exploration/production, oil and gas refining/transportation, and installations in the harshest environments both on land and at sea.

The EC-942-TXP3TV2-SM-S camera offers multi-stream H264/H265/MJPEG encoding, is ON-VIF® compliant and compatible with most VMS solutions available on the market. The camera is equipped with a 230 VAC power supply module and a single mode fibre optic converter.

### Technical Data

#### General

Series	PTZ Camera - EC-942
Version	Pan-tilt-zoom camera
Description	3MP bullet camera
Variant	Single mode media converter

#### Explosion Protection

Application range (zones)	1, 2, 21, 22
Scope	EU (CE / ATEX) Global (IECEX) United Kingdom (UKCA) United Kingdom (UKEX) Brazil (INMETRO) United Arab Emirates (ECAS)
IECEX gas certificate	IECEX EXV 22.0032X
IECEX gas explosion protection	Ex db IIC T6...T4 Gb
IECEX dust certificate	IECEX EXV 22.0032X
IECEX dust explosion protection	Ex tb IIIC T85°C...T135°C Db
ATEX gas certificate	ExVeritas 22ATEX1325X
ATEX gas explosion protection	Ex II 2 G Ex db IIC T6...T4 Gb
ATEX dust certificate	ExVeritas 22ATEX1325X
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T85°C...T135
UKEX certification	ExVeritas 22UKEX1326X
INMETRO certification	CPEX 23.1071 X

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### Explosion Protection

ECAS certification	24-11-130192/E24-11-134907/NB0001
UKEX gas explosion protection	⊕ II 2 G Ex db IIC T6/5/4 Gb
UKEX dust explosion protection	⊕ II 2 G Ex tb IIIC T85/100/135°C Db
INMETRO gas explosion protection	Ex db IIC T6...T4 Gb
INMETRO dust explosion protection	Ex tb IIIC T85°C...T135°C Db
EMC Directive	EN 55035; EN/IEC 61000-3-2; EN/IEC 61000-3-3; EN/IEC 61000-6-2; EN/IEC 61000-6-4; CISPR-32; CISPR-35, DNV-CG-0339
RoHS Directive	2011/65/EU + 2015/863/EU (RoHS 3)
WEEE Directive	2012/19/EU
Low-voltage Directive	EN/IEC 62368-1
FCC certification	FCC part 15B

### Electrical Data

Rated operational voltage AC	230 V
Frequency	50/60 Hz
Power consumption	Max. 130 W, 85 W w/o heating
Interfaces	FX (single-mode)
Connection	Ethernet LAN 100Base-TX, RJ45
I/O relay	External input

### Camera Data

Sensor	1/2.8" progressive CMOS
Day/night camera	Yes
Resolution	5 MP, 2092x1944 pixels
Zoom	40x optical, 10x digital
Viewing angle	62.6° - 1.9° H, 48,8° - 1.4° V
Focus	Automatic focus
Number of preset positions	120
Accuracy of preset positions	0.04 °
Min.light. B/W (ICR-ON)	0,002 lx
Minimum illumination color (ICR-OFF)	0.04 lx
Horizontal speed (variable)	0°/s ... 40°/s
Vertical speed (variable)	0°/s ... 20°/s
Frame rate (fps)	60fps (2MP), 30fps (3MP/WDR)
Compression	H.264, H.265, MJPEG
Wide Dynamik Range	Yes
Web server	Yes
Streaming	ONVIF Profile S, T, G, M
Special feature	Dynamic position control, Edge recording, Electronic image stabilizer
Analytics	Motion detection / manipulation, intrusion detection, wrong direction, object removal, tampering, loitering, stationary vehicle, object counting
Events	External input, analysis, network failure detection, regular event, manual triggering
Edge Recording	microSD/SDHC/SDXC
Number of streams	4 streams

### Software

Network Configuration	IPv4/v6, TCP, RTP, RTSP, HTTP HTTPS, ICMP, FTP, SMTP, PPPoE, UPnP, IGMP, SNMP, QoS, ARP, NTP, DHCP, UDP,
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### Software

Streaming	ONVIF Profile S, T, G, M
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### Ambient Conditions

Ambient temperature	-60 – 60 °C
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Ambient temperature note	+75 °C peak
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### Mechanical Data

Degree of protection (IP)	IP66, 67, 68, 69
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Note on degree of protection	EN 60529, NEMA 4X
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IK impact protection	IK10, front panel IK08
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Vibration and shock	EN/IEC 60068-2-6; EN/IEC 60068-2-27; DNV-CG-0339
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Enclosure material	Stainless steel 316L
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Surface treatment	Electropolished
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Cable length	0 m
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Fibre optic wavelength	1310 nm
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Max. fibre optic cable length	max. 20 km
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Opening for cable gland	1x M25x1.5
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Slewing range	360° endless
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Tilt range	-90° ... +90°
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Integrated wiper	Yes
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Package weight	36.5 kg
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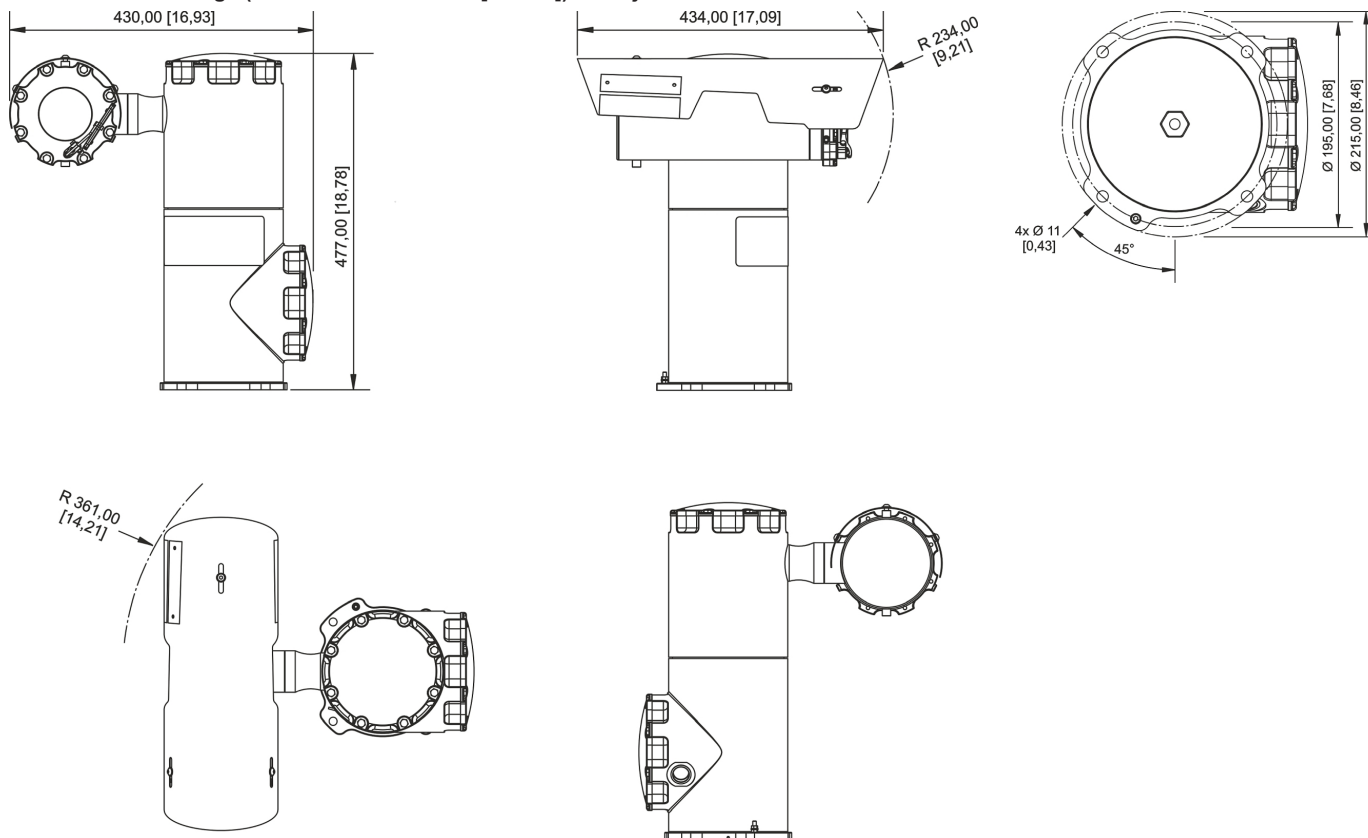
Scope of delivery	Sun roof included
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Weight	31.5 kg
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Weight	69.45 lb
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Accessories

Wall mount adapter



**WB-EC-942-SSBK-L**  
Wall mount adapter for EC-942, EC-952, IC-942  
Material: 316L stainless steel (1.4404)  
Weight: 10 kg

Art. No.

338901

Multi-cable




**VB-CAM-EC-942-5m-EXACCTF5-SCLC-D**  
Armoured multi-cable for EC-942 and EC-952 series  
Length 5 m  
Cables for power supply, FO and data  
Fibre optic connections: SC - LC plug  
Suitable for highly corrosive environments  
Resistant to flames, UV and ozone, oil, petrol and hydrocarbons  
Pre-assembled pressure-resistant brass cable glands at both ends  
Temperature range -40 °C to +90 °C (-40 °F to +194 °F)

Art. No.


339158

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### 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</p>	<p>265668</p>


### Terminal Box

	Art. No.	
	<p><b>JCT-EC-9x2-FO-BOX-SM</b>                      Terminal box, type 8146                      consisting of:                      Terminal blocks:                      -XH1                      1x 283117 STX mounting rail distributor with 6xLC duplex (single mode)                      -XD2                      4x PT-2.5 grey (labelling: 1 – 4)                      1x PT-2.5 green-yellow (labelling: PE)                      -XD1                      2x PT-2.5 grey (labelling: L, L)                      2x PT-2.5 blue (labelling: N, N)                      2x PT-2.5 green/yellow (labelling: PE, PE)                      Cable entries (clamping range) (use):                      1x CMP-20S-C2K (9.5 ... 15.9 mm) (fibre optic)                      1x CMP-25S-C2K (14 ... 22 mm) (water tank)                      1x CMP-20S-C2K (9.5 ... 15.9 mm) (power supply)                      1x CMP-25C2KVAR (18.2 ... 26.2 mm) (Camera multi-cable)                      Cable entries, included separately:                      2x 8161-M20 with red blind plugs                      2x 8161-M25 with red blind plugs                      Housing material: Polyester resin                      Ambient temperature, operation: -40°C ... +65°C                      IP protection: IP66                      Use (zone): 1/21, 2/22                      Scope of validity: ATEX/IECEX</p>	<p>344919</p>

### Watertank

	Art. No.	
	<p></p>	<p>339164</p>

#### Multi-cable

		Art. No.
	<p><b>VB-CAM-EC-942-5m-EXACCTF5-B</b>                      Armoured multi-cable for EC-942 and EC-952 series                      Length 5 m                      Cables for power supply, Ethernet and data                      Suitable for highly corrosive environments                      Resistant to flames, UV and ozone, oil, petrol and hydrocarbons                      Pre-assembled pressure-resistant brass cable glands at both ends                      Temperature range -40 °C to +90 °C (-40 °F to +194 °F)                      Can be used with terminal box 265668</p>	339157
	<p><b>VB-CAM-EC-942-10m-EXACCTF10-B</b>                      Armoured multi-cable for EC-942 and EC-952 series                      Length 10 m                      Cables for power supply, Ethernet and data                      Suitable for highly corrosive environments                      Resistant to flames, UV and ozone, oil, petrol and hydrocarbons                      Pre-assembled pressure-resistant brass cable glands at both ends                      Temperature range -40 °C to +90 °C (-40 °F to +194 °F)                      Can be used with terminal box 265668</p>	340381
	<p><b>VB-CAM-EC-942-5m-EXACCTF5-SCLC-D</b>                      Armoured multi-cable for EC-942 and EC-952 series                      Length 5 m                      Cables for power supply, FO and data                      Fibre optic connections: SC - LC plug                      Suitable for highly corrosive environments                      Resistant to flames, UV and ozone, oil, petrol and hydrocarbons                      Pre-assembled pressure-resistant brass cable glands at both ends                      Temperature range -40 °C to +90 °C (-40 °F to +194 °F)</p>	339158
	<p><b>VB-CAM-EC-942-10m-EXACCTF10-SCLC-D</b>                      Armoured multi-cable for EC-942 and EC-952 series                      Length 10 m                      Cables for power supply, fibre-optic and data                      Fibre optic connections: SC - LC plug                      Suitable for highly corrosive environments                      Resistant to flames, UV and ozone, oil, petrol and hydrocarbons                      Pre-assembled pressure-resistant brass cable glands at both ends                      Temperature range -40 °C to +90 °C (-40 °F to +194 °F)</p>	340095
	<p><b>VB-CAM-EC-942-5m-EXACCTF5-SCLC-F</b>                      Armoured multi-cable for EC-942 and EC-952 series                      Length 5 m                      Cables for power supply, FO and data                      Fibre optic connections: SC - LC plug                      Suitable for highly corrosive environments                      Resistant to flames, UV and ozone, oil, petrol and hydrocarbons                      Pre-assembled pressure-resistant brass cable glands at both ends                      Temperature range -40 °C to +90 °C (-40 °F to +194 °F)</p>	346815

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