

EC-942-TXP3TV4-IP-S Art. No. 338359



- PTZ camera with 4K high-resolution
- Easy maintenance – innovative modular system
- 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-TXP3TV4-IP-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 day/night IP cameras, sun protection, heating and a wind-screen wiper.

The EC-942-TXP3TV4-IP-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-TXP3TV4-IP-S camera is equipped with a 230 VAC power supply module, offers multi-stream H264/H265/MJPEG encoding, is ONVIF® compliant and compatible with most VMS solutions available on the market.

Technical Data

General

Series	PTZ Camera - EC-942
Version	Pan-tilt-zoom camera
Description	4K bullet camera

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	⊕ II 2 G Ex db IIC T6...T4 Gb
ATEX dust certificate	ExVeritas 22ATEX1325X
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T85°C...T135
UKEX certification	ExVeritas 22UKEX1326X
INMETRO certification	CPEX 23.1071 X
ECAS certification	24-11-130192/E24-11-134907/NB0001

Surveillance solutions and cameras

Autofocus Zoom camera 4K PTZ



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Explosion Protection

UKEX gas explosion protection	Ex II 2 G Ex db IIC T6/5/4 Gb
UKEX dust explosion protection	Ex 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	TX
Connection	Ethernet LAN 100Base-TX, RJ45
I/O relay	External input

Camera Data

Sensor	1/1.8" progressive CMOS
Day/night camera	Yes
Viewing angle	64° – 3° H, 37° – 2° V
Focus	Automatic focus
Zoom	22x optical, 10x digital
Resolution	4 K, 3864x2180 pixels
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)	60 fps (2 MP), 30 fps (4K/WDR)
Compression	H.264, H.265, MJPEG
White balance	Yes
Wide Dynamik Range	Yes
Web server	Yes
Special feature	Dynamic position control, Edge recording,
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,
Streaming	ONVIF Profile S, T, G, M

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Ambient Conditions

Ambient temperature	-60 – 60 °C
Ambient temperature note	+75 °C peak

Mechanical Data

Degree of protection (IP)	IP66, 67, 68, 69
Note on degree of protection	EN 60529, NEMA 4X
IK impact protection	IK10, front panel IK08
Vibration and shock	EN/IEC 60068-2-6; EN/IEC 60068-2-27; DNV-CG-0339
Enclosure material	Stainless steel 316L
Surface treatment	Electropolished
Cable length	0 m
Opening for cable gland	1x M25x1.5
Slewing range	360° endless
Tilt range	-90° ... +90°
Integrated wiper	Yes
Package weight	36.5 kg
Scope of delivery	Sun roof included
Weight	31.5 kg
Weight	69.45 lb


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

Accessories

Wall mount adaptor

		Art. No.
	WB-EC-942-SSBK-L Wall mount adapter for EC-942, EC-952, IC-942 Material: 316L stainless steel (1.4404) Weight: 10 kg	338901


Multi-cable

		Art. No.
	VB-CAM-EC-942-5m-EXACCTF5-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	339157
	VB-CAM-EC-942-10m-EXACCTF10-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	340381

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Ex e Terminal box

Art. No.

	<p>JCT-8146-Ethernet+Analog 5xcable glands 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>
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Terminal Box

Art. No.


	<p>JCT-EC-9x2-FO-BOX-SM 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>
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Watertank

Art. No.

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	<p>VB-CAM-EC-942-5m-EXACCTF5-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>VB-CAM-EC-942-10m-EXACCTF10-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>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)</p>	339158
	<p>VB-CAM-EC-942-10m-EXACCTF10-SCLC-D 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
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We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.