

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	5MP 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

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

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)	60 fps (2MP), 30fps (5MP/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,
-----------------------	--

Surveillance solutions and cameras

Autofocus Zoom camera 5 MP PTZ



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

Software

Streaming	ONVIF Profile S, T, G, M
-----------	--------------------------

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
Fibre optic wavelength	1310 nm
Max. fibre optic cable length	max. 20 km
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

Downloads always reflect the latest product version; we reserve the right to make minor hardware adjustments over the course of the product's life cycle.
For exact specifications, please refer to the delivery details / order description or contact our support team.

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
--	--	---------------------------

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

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

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)

340095

VB-CAM-EC-942-5m-EXACCTF5-SCLC-F

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)

346815

Terminal Box



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

Art. No.

344919

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

Watertank		Art. No.
	WaterTank-Easypump-Automatic-TXWP7 Easypump washing system, explosion-proof Float switch, with automatic pump shut-off and remote alarm signal Hose material: Black antistatic polyurethane, UV-resistant Maximum delivery head: up to 15 metres Wash cycles: >500, 3-second cycle Capacity: 15 litres Liquid outlet: 15 m hose, pipe with 4 mm bore Housing: AISI 316L electropolished stainless steel Mounting: 4x M8 (wall) Cable entries: 2x M20 x 1.5 Weight: 12 kg (empty); 27 kg (full) Available voltages: 24 VAC/DC, 100 to 240 VAC (±10%) Power consumption: max. 10 W Operating temperature: -60 °C to +60 °C, +75 °C peak (-76 °F to +140 °F, +167 °F peak) Approvals: ATEX / IECEx / UKEX / INMETRO	339164

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.