

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)<br>Global (IECEx)<br>United Kingdom (UKCA)<br>United Kingdom (UKEX)<br>Brazil (INMETRO)<br>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)                     | 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 5MP PTZ



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### Software

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

### Ambient Conditions

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

### Mechanical Data

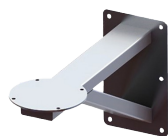
|                               |                                                  |
|-------------------------------|--------------------------------------------------|
| Degree of protection (IP)     | IP66, 67, 68, 69                                 |
| Note on degree of protection  | EN 60529, NEMA 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

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