EC-910 – THE NEW ALL-ROUND CAMERA

THE LATEST IP TECHNOLOGY IN A COMPACT ENCLOSURE

10x ZOOM VERSION

Enclosure depth of only 116 mm

Ceiling / wall mount bracket and sun shield included

EC-910 with ceiling / wall mount bracket and sun shield, both included in delivery
The new EC-910 combines state-of-the-art camera technology with full HD resolution, WDR, DEFOG, day/night and zoom function, delivering excellent images even under the most demanding conditions.

The high light sensitivity of the 3x zoom version makes it ideal for inspection window monitoring, whilst the 10x zoom version is also certified by Lloyd’s Register, making it the ideal choice for installation on vessels and drilling rigs.

Both camera versions are universally applicable in the oil and gas industries as well as in the chemical and pharmaceutical industries, and are certified for Zone 1, 2, 21, 22.

- Automatic and easy network integration through ONVIF S and Q
- PoE+ / 24 VAC / 24 VDC

- Full HD resolution
- 10x zoom
- Wide Dynamic Range for optimum image quality
- Defog function for fog reduction
- Day/night function with high light sensitivity

- -40 °C to +65 °C
- Zone 1, 2, 21, 22
- ATEX, IECEx, NEC, CEC, TR-EAC
- Lloyd’s Register

3x ZOOM VERSION
IDEAL FOR INSPECTION
WINDOW MONITORING

Light conditions inside a reactor are often difficult: dark and light areas are right next to one another.

The high light sensitivity of the EC-910-AFZ together with the WDR function ensures extremely sharp images even under demanding conditions.

This is helped by the full HD resolution, as well as by the 90° viewing angle which allows viewers to monitor large areas at a glance.

Thanks to the ONVIF Profiles S and Q, commissioning is smooth, because the camera is automatically recognized in the network by the ONVIF Device Manager.

3x zoom version without brackets and sun shield

HIGH LIGHT SENSITIVITY
WDR AGAINST REFLECTIONS
-40 °C TO +65 °C
Light conditions on drilling rigs are challenging and often too bright or dark.

The EC-910 has all functions for optimum image correction – the day/night function balances stark differences in brightness, and the WDR function combines the best images.

The 10x zoom and the full HD resolution ensure sharp, crystal clear images in hazardous areas, whatever the focus.

Lloyd’s Register attests the camera’s reliability with regard to temperature, corrosion and vibration resistance as well as EMC.

10x zoom version with ceiling / wall mount bracket and sun shield

LLOYD’S REGISTER: FOR DRILLING RIGS AND VESSELS
EC-910 with ceiling/wall mount bracket and sun shield, both included in delivery
THE LATEST TECHNOLOGIES FOR EXCELLENT IMAGE QUALITY

The highly compact EC-910 zoom camera is ideally suited for video monitoring and process control in hazardous areas.

The full HD, 1080p camera offers multiple video streams and provides excellent image quality, depicting a scene in full detail even in difficult light conditions.

In addition to the outstanding image quality, the extremely simple and fast installation of the camera is another plus.

The camera can be provided with a pre-installed, armoured multicable and can be powered by PoE+.

The camera is supplied with a ceiling / wall mount bracket and with a sun shield as standard.

R. STAHL’s EC-910-AFZ range of cameras meets every installation need, providing maximum performance and excellent value for money.

---

ONVIF S AND Q

ONVIF – A UNIVERSAL LANGUAGE
ONVIF (Open Network Video Interface Forum) has developed a global interface standard for IP-based security products. IP cameras can thus be seamlessly integrated in video surveillance networks worldwide.

WIDE DYNAMIC RANGE FUNCTION

WDR – OPTIMUM EXPOSURE AT ALL TIMES
The Wide Dynamic Range function assimilates large differences of brightness levels by automatically adding images with different exposures into a single scene, thus producing clear images and showing the full content of the scene.

FULL HD

FULL HD FOR EXCELLENT IMAGE QUALITY
High definition 1080p (HD) camera technology generates images about five times as sharp as those generated by analogue cameras. With the aid of modern compression processes, video recordings can be retrieved from a network with terminal equipment such as PCs or smartphones, and are also available for archiving or video analysis.

DEFOG FUNCTION

DEFOG – HAZE AND FOG REDUCTION
Fog, haze or mist may considerably affect image quality. With the defog function activated, image parameters such as colour or contrast are analysed and optimised to provide clearer images.
TECHNICAL DATA AND ACCESSORIES

EC-910-AFZ VERSIONS

<table>
<thead>
<tr>
<th>Product code</th>
<th>Optical zoom</th>
<th>Armoured cables</th>
<th>Certificates</th>
<th>Features</th>
<th>Viewing angles horizontal</th>
<th>Sensitivity</th>
<th>Power supply</th>
<th>Protocol</th>
<th>Temperature range</th>
<th>IP protection/enclosure</th>
<th>Order no. SAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC-910-AFZ-103-P00</td>
<td>3x</td>
<td>without cable, 1/2&quot; NPT thread</td>
<td>ATEX, IECEx, TR-Ex, Zone 1, 21, NEC CII D2, CEC CII Z1</td>
<td>Day/ Night, WDR, Full HD</td>
<td>90° (wide) to 32° (tele)</td>
<td>1080p</td>
<td>ICR-DN, 0.03 lx, 1/30 s, F1.2, 50% (HSM)</td>
<td>PoE+, 24 VAC, 24 VDC</td>
<td>ONVIF Profile S</td>
<td>-40 °C to +65 °C</td>
<td>IP66, 67, 68, 69, stainless steel AISI 316L</td>
</tr>
<tr>
<td>EC-910-AFZ-103-P04</td>
<td>3x</td>
<td>4 m</td>
<td>ATEX, IECEx, TR-Ex, Zone 1, 21, NEC CII D2, CEC CII Z1</td>
<td>Day/ Night, WDR, Full HD</td>
<td>67° (wide) to 7.6° (tele)</td>
<td>1080p</td>
<td>ICR-DN, 0.002 lx, 1/3 s, 30% (HSM)</td>
<td>ONVIF Profile Q</td>
<td>-40 °C to +65 °C</td>
<td>IP66, 67, 68, 69, stainless steel AISI 316L</td>
<td>264964</td>
</tr>
<tr>
<td>EC-910-AFZ-103-P10</td>
<td>3x</td>
<td>10 m</td>
<td>ATEX, IECEx, TR-Ex, Zone 1, 21, NEC CII D2, CEC CII Z1, Lloyd’s Register</td>
<td>Day/ Night, WDR, Full HD, Defog</td>
<td>90° (wide) to 32° (tele)</td>
<td>1080p</td>
<td>ICR-DN, 0.03 lx, 1/30 s, F1.2, 50% (HSM)</td>
<td>ONVIF Profile S</td>
<td>-40 °C to +65 °C</td>
<td>IP66, 67, 68, 69, stainless steel AISI 316L</td>
<td>265897</td>
</tr>
<tr>
<td>EC-910-AFZ-110-P00</td>
<td>10x</td>
<td>without cable, 1/2&quot; NPT thread</td>
<td>ATEX, IECEx, TR-Ex, Zone 1, 21, NEC CII D2, CEC CII Z1</td>
<td>Day/ Night, WDR, Full HD, Defog</td>
<td>90° (wide) to 32° (tele)</td>
<td>1080p</td>
<td>ICR-DN, 0.03 lx, 1/30 s, F1.2, 50% (HSM)</td>
<td>ONVIF Profile S</td>
<td>-40 °C to +65 °C</td>
<td>IP66, 67, 68, 69, stainless steel AISI 316L</td>
<td>265898</td>
</tr>
<tr>
<td>C-910-AFZ-110-P04</td>
<td>10x</td>
<td>4 m</td>
<td>ATEX, IECEx, TR-Ex, Zone 1, 21, NEC CII D2, CEC CII Z1</td>
<td>Day/ Night, WDR, Full HD, Defog</td>
<td>90° (wide) to 32° (tele)</td>
<td>1080p</td>
<td>ICR-DN, 0.03 lx, 1/30 s, F1.2, 50% (HSM)</td>
<td>ONVIF Profile S</td>
<td>-40 °C to +65 °C</td>
<td>IP66, 67, 68, 69, stainless steel AISI 316L</td>
<td>265900</td>
</tr>
<tr>
<td>EC-910-AFZ-110-P10</td>
<td>10x</td>
<td>10 m</td>
<td>ATEX, IECEx, TR-Ex, Zone 1, 21, NEC CII D2, CEC CII Z1, Lloyd’s Register</td>
<td>Day/ Night, WDR, Full HD, Defog</td>
<td>90° (wide) to 32° (tele)</td>
<td>1080p</td>
<td>ICR-DN, 0.03 lx, 1/30 s, F1.2, 50% (HSM)</td>
<td>ONVIF Profile S</td>
<td>-40 °C to +65 °C</td>
<td>IP66, 67, 68, 69, stainless steel AISI 316L</td>
<td>265921</td>
</tr>
</tbody>
</table>

EC-910-AFZ BRACKETS

- **Wall mount bracket**
- **Ceiling mount bracket**
- **Pole/corner adapter**

Included in delivery

Optional
TAILOR-MADE CCTV SYSTEM SOLUTIONS

CCTV SYSTEMS – tailor-made solutions for hazardous areas. For close and detailed monitoring of all production areas and processes in hazardous areas we will configure CCTV system solutions tailored to meet the requirements of your system.

Creating video surveillance plans for several hazardous areas is as much part of our CCTV experts’ daily work as the connection to the control system with on-site local monitoring.

Our experts integrate server / client structures, KVM as well as PoE switches and identify the best possible configuration for you.

EXAMPLE OF A CCTV SYSTEM SOLUTION IN TWO HAZARDOUS AREAS
COMPLETE PROJECT HANDLING – ONE CONTACT

From planning to maintenance – you will have one personal CCTV expert at your side. Your contact for the entire project will support you in all matters, including training sessions, commissioning, FAT, SAT and system configuration, and in case of an integration into existing surveillance systems.

CCTV DESIGN ✓
SYSTEM CONFIGURATION ✓
PROJECT ENGINEERING ✓

DOCUMENTATION ✓
FACTORY ACCEPTANCE TEST (FAT) ✓
SITE ACCEPTANCE TEST (SAT) ✓
COMMISSIONING / TRAINING ✓

SERVICE / MAINTENANCE ✓

At R. STAHL, you will have a primary contact throughout the entire project. Together with the team, he or she will handle all matters relating to the project – from planning to commissioning.
THE QUICKEST WAY TO YOUR CCTV SOLUTION

PERSONAL INQUIRIES

You can count on us
With the aid of modern communication tools, we will be happy to present and discuss with you possible CCTV system solutions. You can be sure to receive good advice anytime, wherever you are.

+49 221 76806-1200
office@stahl-camera.de

ONLINE INQUIRIES

There for you 24/7
We have developed a CCTV SYSTEM FINDER to configure the system solution best suited to your needs. Enter the key figures for your CCTV system solution and our experts will draw up preliminary suggestions.

stahl-camera.de