

EC-912-1 T08-VA1.2.K1.BOR-N.N-025.N-P Art. No. 342813



- Ultra-compact camera
- Single-cable solution (PoE)
- Resolution: Full HD (2 MP), H.265 video compression
- High light sensitivity and day and night functionality
- Day and night function with motorised varifocal lens

MY R. STAHL EC912A



The EC-912-1 is an ultra compact and powerful network camera. It is housed in a small, extremely robust stainless steel enclosure and is perfectly suited for use in the most demanding environments under the harshest conditions in the world. The Ex-d enclosure of the Full HD camera is IP66/68 compliant and, thanks to the high-quality materials, resistant to a wide range of agents! The EC-912-1 camera can be used at ambient temperatures between -30°C and +50°C.

### Technical Data

| General                                 |                                                                                                                                               |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Series                                  | Bullet compact camera - EC-912-1                                                                                                              |
| Version                                 | Compact Camera                                                                                                                                |
| Description                             | 2MP Bullet Camera                                                                                                                             |
| Explosion Protection                    |                                                                                                                                               |
| Application range (zones)               | 1, 2, 21, 22                                                                                                                                  |
| Application range (firedamp protection) | M2                                                                                                                                            |
| Scope                                   | EU (CE / ATEX)<br>Global (IECEX)<br>United Kingdom (UKCA)<br>United Kingdom (UKEX)<br>India (PESO)<br>Brazil (INMETRO)<br>South Africa (MASC) |
| IECEX gas certificate                   | IECEX TUR 18.0023X                                                                                                                            |
| IECEX gas explosion protection          | Ex db IIC T6 Gb                                                                                                                               |
| IECEX dust certificate                  | IECEX TUR 18.0023X                                                                                                                            |
| IECEX dust explosion protection         | Ex tb IIIC T80 °C Db                                                                                                                          |
| ATEX gas certificate                    | TÜV 18 ATEX 8218 X                                                                                                                            |
| ATEX gas explosion protection           | Ex II 2 G Ex db IIC T6 Gb                                                                                                                     |
| ATEX dust certificate                   | TÜV 18 ATEX 8218 X                                                                                                                            |
| ATEX dust explosion protection          | Ex II 2 D Ex tb IIIC T80 °C Db                                                                                                                |
| UKEX certification                      | TÜV 22 UKEX 7137 X                                                                                                                            |
| PESO certification                      | A/P/HQ/KA/104/5735 (P453640)                                                                                                                  |
| INMETRO certification                   | TÜV 23.0363X                                                                                                                                  |
| MASC certification                      | MASC MS/18-3256X                                                                                                                              |
| IECEX Firedamp protection               | Ex db I Mb                                                                                                                                    |
| ATEX Firedamp protection                | Ex I M2 Ex db I Mb                                                                                                                            |

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#### Explosion Protection

|                                   |                                |
|-----------------------------------|--------------------------------|
| UKEX gas explosion protection     | Ex II 2 G Ex db IIC T6 Gb      |
| UKEX dust explosion protection    | Ex II 2 D Ex tb IIIC T80 °C Db |
| UKEX Firedamp protection          | Ex I M2 Ex db I Mb             |
| PESO explosion protection         | Ex db IIC T6 Gb                |
| INMETRO gas explosion protection  | Ex db IIC T6 Gb                |
| INMETRO dust explosion protection | Ex tb IIIC T80 °C Db           |
| INMETRO Firedamp protection       | Ex db I Mb                     |
| MASC gas explosion protection     | Ex db IIC T6 Gb                |
| MASC dust explosion protection    | Ex tb IIIC T80 °C Db           |
| MASC Firedamp protection          | Ex db I Mb                     |
| EMC Directive                     | 2014/30/EU                     |
| RoHS Directive                    | 2011/65/EU                     |
| Low-voltage Directive             | 2014/35/EU                     |

#### Electrical Data

|                   |                               |
|-------------------|-------------------------------|
| Power consumption | Typically 3 W, max. 4.4 W     |
| Interfaces        | PoE (IEEE 802.3af class 2)    |
| Connection        | Ethernet LAN 100Base-TX, RJ45 |

#### Camera Data

|                          |                                                                            |
|--------------------------|----------------------------------------------------------------------------|
| Sensor                   | 1/2.8 CMOS                                                                 |
| Day/night camera         | Yes                                                                        |
| Viewing angle            | 80° – 32° H, 56° – 18° V                                                   |
| Focus                    | Motorised varifocal lens                                                   |
| Zoom                     | 4x optical                                                                 |
| Resolution               | 2 MP, 1920x1080 pixels                                                     |
| Minimum working distance | 50 mm                                                                      |
| Min.light. B/W (ICR-ON)  | 0.0008 lux (40 IRE F1.6)                                                   |
| Frame rate (fps)         | 30 fps                                                                     |
| S/N ratio                | 50 dB                                                                      |
| Back light compensation  | Yes                                                                        |
| Electronic shutter       | 1/25 s to 1/25 s (ESC)                                                     |
| Compression              | H.264, H.265, MJPEG                                                        |
| No. of privacy maskings  | 8                                                                          |
| WDR (dynamic range)      | 120 dB                                                                     |
| White balance            | Yes                                                                        |
| Wide Dynamik Range       | Yes                                                                        |
| Web server               | Yes                                                                        |
| Special feature          | Analytics object detection, Motion detection,                              |
| Analytics                | Object Analytics, Motion Detection, Manipulation                           |
| Events                   | E-Mail, HTTP, FTP, Boost, TCP, UDP, Onvif Event Mapping                    |
| Number of streams        | 3 streams                                                                  |
| Stream information       | Stream 1: max 1920x1080<br>Stream 2: max 1280x720<br>Stream 3: max 640x360 |

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### Software

|                       |                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------|
| Network Configuration | TCP/IP, IPv4/v6, HTTP, HTTPS FTP, UPnP, RTSP, RTP, RTCP, ARP, Zeroconf, DHCP, SNMP Bonjour, UDP, |
| Streaming             | ONVIF Profile S, T                                                                               |

### Ambient Conditions

|                                 |             |
|---------------------------------|-------------|
| Cold start range (with heating) | 0 °C        |
| Ambient temperature             | -30 – 50 °C |

### Mechanical Data

|                              |                                |
|------------------------------|--------------------------------|
| Degree of protection (IP)    | IP66, 68,                      |
| Note on degree of protection | According to IEC/EN 60529      |
| Enclosure material           | Stainless steel 316L           |
| Cable 1                      | Cat.6A (8,9 ± 0,3 mm)“         |
| Cable structure              | 4x2xAWG23/1                    |
| Cable length                 | 25 m                           |
| Opening for cable gland      | 1x                             |
| Integrated wiper             | No                             |
| Scope of delivery            | incl. CAT.6 cable and sun roof |
| Weight                       | 4.6 kg                         |
| Weight                       | 10.14 lb                       |

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

## Accessories

### Sunroof

|                                                                                                                                                                                                                                                                                                   | Art. No. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|  <b>SR-EC-912-WPR-VA1.x</b><br>Sun protection cover for EC-912 and IC-912<br>included in standard delivery<br>Material: 316L stainless steel (1.4404)<br>Supplied as standard with the camera and pre-assembled | 339099   |

### Wall mounting bracket

|                                                                                                                                                                                                                                                                                                 | Art. No. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|  <b>WB-EC-912-WMB-VA0.x/VA1.x</b><br>Wall mounting bracket for EC-912 and IC-912<br>Material: 316L stainless steel (1.4404)<br>Swivel range 360°, tilt range 90°<br>Mounting material and fork hinge included | 339098   |

### Pole mount adapter

|                                                                                                                                                                                                                                                                     | Art. No. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|  <b>PMA-EC-912 PMB-VA0.x/VA1.x/VA2.x</b><br>Pole mount adapter for EC-912 and IC-912<br>Material: 316L stainless steel (1.4404)<br>Point load 50 kg<br>Mounting material included | 339100   |

### Inspection glass adapter

|                                                                                                                                                                             | Art. No. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|  <b>HSG-IGH-EC-912 SCH-VA0.x/VA1.x</b><br>Inspection glass adapter<br>with hinge mounting | 339151   |

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| Ex e enclosure with Ethernet terminal                                            |                                                                                    | Art. No. |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|
|  | 8146/5041+ 8187 (1 x Ethernet terminal)<br>Polyester resin, Glass fibre reinforced | 257033   |

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.