



- 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) Global (IECEX) United Kingdom (UKCA) United Kingdom (UKEX) Brazil (INMETRO) 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
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
UKEX gas explosion protection	Ex II 2 G Ex db IIC T6 Gb

Explosion Protection

UKEX dust explosion protection	⊕ II 2 D Ex tb IIIC T80 °C Db
UKEX Firedamp protection	⊕ I M2 Ex db I Mb
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
Resolution	2 MP, 1920x1080 pixels
Zoom	4x optical
Viewing angle	80° – 32° H, 56° – 18° V
Focus	Motorised varifocal lens
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
Streaming	ONVIF Profile S, T
Special feature	Analytical object recognition, 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 Stream 2: max 1280x720 Stream 3: max 640x360

Software

Network Configuration	TCP/IP, IPv4/v6, HTTP, HTTPS FTP, UPnP, RTSP, RTP, RTCP, ARP, Zeroconf, DHCP, SNMP Bonjour, UDP,
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Surveillance solutions and cameras

Compact camera 2 MP bullet



EC-912-1 T08-VA1.2.K1.BOR-N.N-005.N-P Art. No. 338095

Software

Streaming	ONVIF Profile S, T
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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	5 m
Opening for cable gland	1x
Integrated wiper	No
Scope of delivery	incl. CAT.6 cable and sun roof
Weight	2.6 kg
Weight	5.73 lb

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

Accessories

Sun roof protection cover

Art. No.



SR-EC-912-WPR-VA1.x
 Sun roof protection cover for EC-912 and IC-912
 included in standard delivery
 Material: 316L stainless steel (1.4404)
 Supplied as standard with the camera and pre-assembled

339099

Wall mounting bracket

Art. No.



WB-EC-912-WMB-VA0.x/VA1.x
 Wall mounting bracket for EC-912 and IC-912
 Material: 316L stainless steel (1.4404)
 Swivel range 360°, tilt range 90°
 Mounting material and fork hinge included

339098

Art. No.



341202

Pole mount adapter






Art. No.



PMA-EC-912 PMB-VA0.x/VA1.x/VA2.x
 Pole mount adapter for EC-912 and IC-912
 Material: 316L stainless steel (1.4404)
 Point load 50 kg
 Mounting material included

339100

EC-912-1 T08-VA1.2.K1.BOR-N.N-005.N-P Art. No. 338095

Inspection glass adapter		Art. No.
	HSG-IGH-EC-912 SCH-VA0.x/VA1.x Inspection glass adapter with hinge mounting	339151
LED spotlight		Art. No.
	EL-911-1 T20-VA0.1.K1.BOR-L.N-005.1-K LED spotlight in ultra-compact stainless steel enclosure Material: 316L stainless steel (1.4404) Weight 1.4 kg; ingress protection IP66/68 with 5 m connection cable Power supply 24 VDC; white light version	339163
Ex e enclosure with Ethernet terminal		Art. No.
	8146/5041+ 8187 (1 x Ethernet terminal) Polyester resin, Glass fibre reinforced	257033
System cable		Art. No.
	VB-CAM-CAT6-SKD02-T Ex System cable Special cable for hazardous areas CAT6A network cable Structure: 4 x 2 x AWG23/1 shielded Temperature range -60 °C to +80 °C Outer jacket material: PUR - flame retardant	339165
	VB-CAM-CAT6-ARM-ASKD02-T Ex Armoured system cable Special cable for hazardous areas CAT6A network cable Structure: 4 x 2 x AWG23/1 shielded Temperature range -60 °C to +80 °C Outer jacket material: PUR - flame retardant	339166

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