

## Product information



Part number: A.007105

## Camera Fixed IP Full HD 33x Zoom Ex SS316L W/W



### Description

It is a 3 megapixel Full HD IP camera built in a fixed housing designed for use in hazardous areas in onshore, offshore, marine and heavy industrial environments. The camera housing is constructed from electro-polished 316 stainless steel for maximum corrosion protection and is fitted as standard with sunshield, thermostatically controlled heater element.

#### ATEX and IECEx certified

The A.007105 is an Ex-D (flame proof) housing suited to be used in hazardous areas, zone 1 & 2 for gas and zone 21 & 22 for dust environments.

#### Integrated HD Box Camera

Fitted as standard the A.007105 is equipped with a 33x optical zoom 3 megapixel (2048 x 1536), IP day/night camera. The 30x zoom realises the optimum field of view in any situation. The camera is ONVIF Profile S compliant and supports the open standard (OSA) HTTP API for ease of integration

#### Multi-stream High-definition

The integrated HD camera has quad-stream capability for simultaneous streaming of H.264 / H.264 or H.264 / MJPEG. Multiple combinations of resolution and frame rate can be configured to satisfy different live viewing and recording scenarios.

#### Image Enhancement

The camera provides automatic day/night functionality for use in low light situations. Backlight compensation enhances the image in difficult lighting situations. The WDR-2 dual exposure mode brings out details in dark areas and details in the bright areas by combining the best of two exposures.

#### Security Solutions

In combination with a video management system the camera creates a versatile CCTV solution for hazardous areas realized by the camera's ONVIF Profile S compliance

#### Washer / Wiper Option

The camera is prepared for installing an optional wiper and a washer hose and nozzle. A pressurized 10 liter water tank, including hose and nozzle is sold separately (Art.nr: A.005137)

#### Conduit Choices

To simplify installation in hazardous areas the camera is standard fitted with a 3m conduit, including wiring. The conduit is available in 3, 5 or 10m. Furthermore an SS316L Ex-E termination box (Art.nr: A.007113) for easy, but safe and secure installation is available.

#### Direct to Fiber

As an option, the camera can be fitted with a 100FX optical fiber connection. The duplex single-mode fiber is preconfigured with dual SC connectors.

### Features

- ✓ ATEX and IECEx certified for gas and dust
- ✓ Single integrated flexible conduit tail
- ✓ Corrosion-protected 316L stainless steel
- ✓ Low maintenance
- ✓ 3-megapixel IP camera, 60 frames per second
- ✓ 33x optical zoom + 10 x digital zoom
- ✓ True Day/Night with IRC
- ✓ Integrated heater
- ✓ Optional wiper, washer tank and termination box
- ✓ Direct to fiber (optional)
- ✓ ONVIF Profile S compliant

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**Camera Fixed IP Full HD  
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<b>Camera Housing</b>	
Certification	ATEX, IECEx . Ex db op pr IIC T6 Gb -40°C Tamb +60°C . Ex tb III C T85°C Db -40°C Tamb +60°C . Ex db op pr IIB T5 Gb -40°C Tamb +75°C . IEx tb IIIC T100°C Db -40°C Tamb +75°C
Ingress Protection Rating	IP66/ IP67
Body Material	Electro-polished 316L Stainless Steel
Glands	2x M25x1.5
Cable length	3 m; optional 5 or 10 m
Sunshield	Standard
Internal Demister / Heater	Standard
Wiper	Optional
Washer System Operating	Optional
Temperature	-60 °C to +75 °C
Weight	10.5 kg
<b>Electrical</b>	
Supply Voltage	24 VAC 50/60 Hz; Optional 115 VAC 50/60 Hz; 230 VAC 50/60 Hz
Power Consumption	25 W maximum
Electrical Connections	3 wire power cable from the conduit, 0.75 mm <sup>2</sup>
<b>Camera</b>	
Image sensor	1/2.8" Progressive scan CMOS
Effective pixels	2065 (H) x 1553 (V)
Shutter speed	1 - 1/60000 s
Minimum scene illumination	0.04 lux (colour), 0.002 lux (b/w), F/1.6
Dynamic range (WDR)	120 dB, dual exposure HDR
Lens	33x Optical zoom, F/1.6 (W), F5 (T); 10x digital zoom
Lens focal length	4.3 to 170 mm
Horizontal field of view	55.3° (W) to 1.8° (T)
Features	Back light compensation, auto/manual white balance, (3D/2D) noise, IR light compensation
Exposure	Auto (iris or shutter priority) / Manual
Day/Night	IR-cut filter Auto
White balance	Auto, ATW, Manual, One push

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Video	
Video compression	H.265, H.264 (main or high profile); MJPEG
Number of compression instances	Any combination of H.265 or H.264 streams with possibly one MJPEG stream. 2048x1536
Supported resolutions	(3MP); 1920x1080 (1080p); 1280x1024; 1280x720 (720p); 1024x768; 800x600; 720x576 (D1); 640x480 (VGA); 352x288 (CIF)
Max streaming (H264/H265/MJPEG)	60fps
Compression Bit Rate Control	Constant bit rate (CBR), variable bit rate (VBR), Low bit rate (LBR)
Number of video output streams	Up to 20 (RTSP)
Total output data rate (max)	60 Mb/s
Video frame rate	1 to 60 fps / 1 to 50 fps
Network	
Standard	ONVIF (Profile S, Profile G, Profile T)
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, Diamond, NTCIP 1205.
Password levels	User and Administrator
Web browser	IE 9, 10 and 11; limited support for Edge, Chrome, Firefox
Local storage	Micro SD/SDHC/SDXC up to 128 GB
Security	User authentication, IP filtering, Digest authentication (RTSP, HTTP), HTTPS encryption (TLS1.2); IEEE 802.1x port-based network access control

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## Camera Fixed IP Full HD 33x Zoom Ex SS316L W/W



## Accessories

EX pole mounting adapter



Article number: A.007124

EX wall mounting bracket



Article number: A.007109

EX pole top mounting bracket



Article number: A.007877

Pressurised washer tank,  
316L cabinet, Ex d (or Ex e)  
solenoid



Article number: A.005137

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**amera Fixed IP Full HD  
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## Dimensions

All dimensions in millimetres

