

6 MP Single Lens Explosion-Proof Camera



SeSys's ATEX and IECEx compliant digital cameras are designed to facilitate remote monitoring of inhospitable, hazardous or explosive areas reducing the dangers posed to personnel. Light sensitive, high-resolution sensors make these IP-based cameras perfect for operational, health and safety and security requirements.

Professional Hazardous Area IoT-Camera

■ Compact Explosion-Proof Camera For Indoor and Outdoor use

Day or night system with detailed 6MP colour or monochrome sensor

■ Modular System For Maximum Flexibility

Easy-to-exchange lens with horizontal image angles from 15° to 103°

■ Minimum Installation Requirement

Single cable for camera data and power

■ Reduced Energy Costs

Power consumption < 5 Watt, standard PoE IEEE 802.3af

■ Virtually Maintenance-Free

No moving parts reduces camera maintenance and down-time





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TECHNICAL SPECIFICATION															
ATEX Certificate	II 2 GD EExd IIC T6														
IECEX Certificate	II 2 G Ex d IIC T5 Gb (Gas) II 2 D Ex tb IIIC T95°C Db (Dust)														
Lens Options	B036 (103° x 77°), B041 (90° x 67°), B061 (60° x 45°), B079 (45° x 34°), B119 (31° x 23°), B237 (15° x 11°)														
Light Sensitivity	Colour: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s) / B/W: 0.02 lux (t=1/60 s), 0.001 lux (t=1/1 s)														
Image Sensors	1/1.8" CMOS, 6MP (3072 x 2048), Progressive Scan														
Microprocessor	i.MX 6 Dual Core incl. GPU (1GB RAM, 512 MB Flash)														
Max. Frame Rate (fps) (only single core used)	MxPEG: 42@HD (1280 x 720), 34@Full-HD (1920 x 1080), 24@QXGA (2048 x 1536), 15@5MP & 12@6MP MJPEG: 26@HD (1280 x 720), 13@Full-HD (1920 x 1080), 9@QXGA (2048 x 1536), 5@5MP & 4@6MP H.264: 25@Full-HD (1920 x 1080), 20@QXGA (2048 x 1536)														
Available Video Codec	MxPEG / MJPEG / H.264 - bandwidth limitation available, output image format up to QXGA (2048 x 1536)														
Internal DVR, ex works	4GB MicroSD slot (upgradable) - encrypted recording														
External DVR	Support for recording to network-attached storage (NAS), different streams for live image and recording, MxFFS with archive function, pre-alarm and post-alarm images, monitoring recording with failure reporting														
Video Management Software (VMS)	MxManagement Centre / MOBOTIX App for iOS and Android devices / Web Browser														
General Functions	<table border="0"> <tr> <td>Multistreaming</td> <td>Multicast stream via RTSP</td> </tr> <tr> <td>Digital zoom and pan</td> <td>Video motion detector</td> </tr> <tr> <td>MxActivitySensor</td> <td>MxAnalytics (Heatmaps, counting corridors)</td> </tr> <tr> <td>ONVIF Profile S supported</td> <td>Programmable exposure zones</td> </tr> <tr> <td>Snapshot recording (pre/post-alarm images)</td> <td>Time controlled flexible event logic</td> </tr> <tr> <td>Weekly schedules for recordings/actions</td> <td>Event video and image transfer via FTP and email</td> </tr> <tr> <td>Programming interface (HTTP-API)</td> <td></td> </tr> </table>	Multistreaming	Multicast stream via RTSP	Digital zoom and pan	Video motion detector	MxActivitySensor	MxAnalytics (Heatmaps, counting corridors)	ONVIF Profile S supported	Programmable exposure zones	Snapshot recording (pre/post-alarm images)	Time controlled flexible event logic	Weekly schedules for recordings/actions	Event video and image transfer via FTP and email	Programming interface (HTTP-API)	
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Security	User and group management / SSL connections / IP-based access control / IEEE 802.1x / Intrusion detection / Digital image signature														
Protocols	IPv4, IPv6, HTTP, HTTPS, FTP, SFTP, RTP, RTSP, UDP, SNMP, SMTP, DHCP (client and server), NTP (client and server), SIP (client and server) G.711 (PCMA and PCMU) and G.722														
Power Consumption	< 5 watts (typical)														
Power Supply	PoE IEEE 802.3af (variable class 2 or 3: factory setting: class 3)														
Operating Conditions	IP66 / -30°C to +50°C														
Casing Material	SE-ATEX-IP-S-C: Aluminium alloy, EN AC-42000 (LM25) to BS EN 1706:1998 with less than 0.2% copper content SE-ATEX-IP-S-C-SS: Stainless Steel 316 to BS3146 (1975): Pt2:ANC4BFC														
Cable Entries	1 x M20x1,5 as standard														
Cable Gland	1 x M20 Conduit brass gland as standard - *optional LSOH cable and cable protection glands on request														
Finish	SE-ATEX-IP-S-C: RAL 7035 Epoxy powder coat SE-ATEX-IP-S-C-SS: Natural														
Window	Soda Lime standard, optional Quartz or Sapphire available on request														
Dimensions	Casing (H)137 x (DØ)154mm - Window Ø86mm														
Weight	2.5 kg														

MODELS

SE-ATEX-IP-S-C	Single lens, cylindrical aluminium alloy casing
SE-ATEX-IP-S-C-SS	Single lens, cylindrical stainless steel casing

MOUNTING ACCESSORIES

SE-ATEX-MKIT-C	Adjustable mounting bracket with backplate
SE-ATEX-WMKIT-C	Wall mount bracket with backplate