

# ExCam<sup>®</sup> IPM1 137-LE

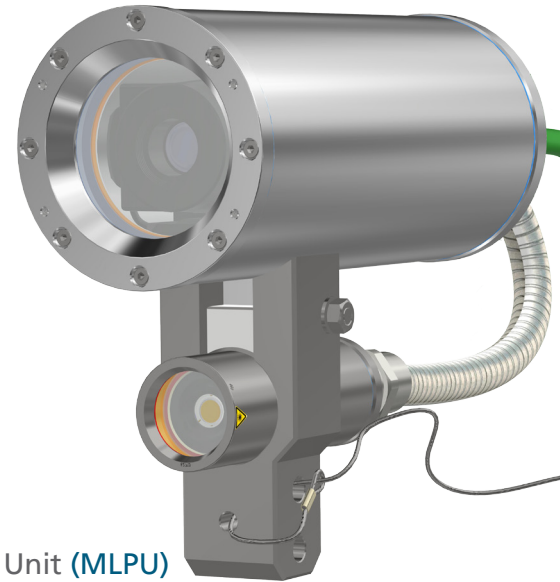


## Datasheet.

### Ex-Certified High Performance Camera with Integrated Illumination

#### Features.

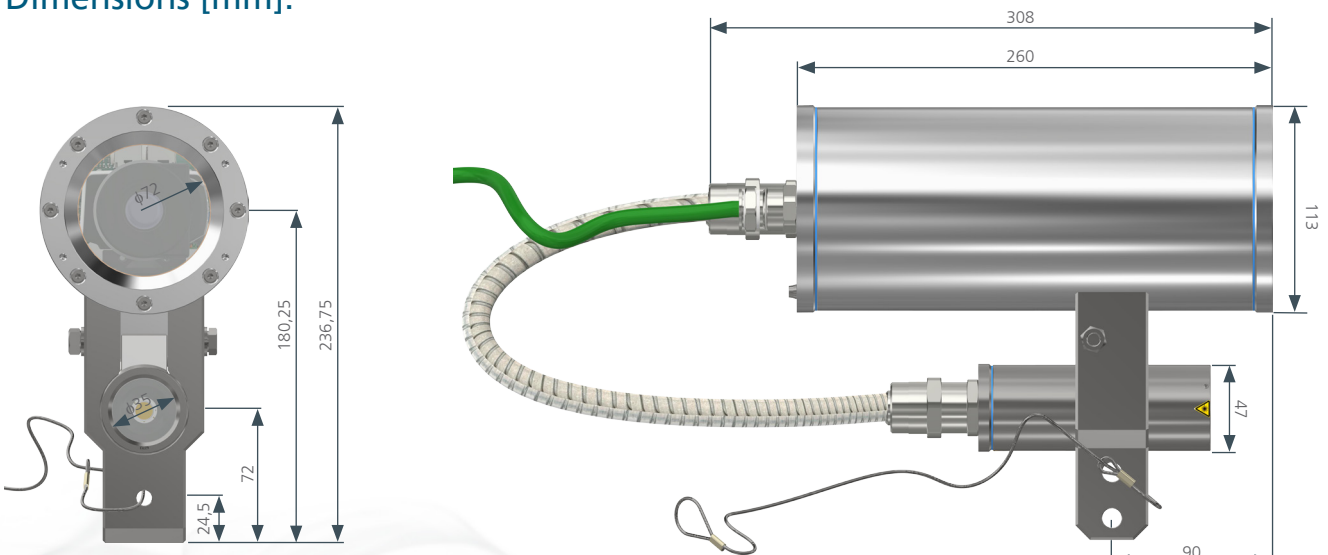
- ✓ Broad Certification Landscape for **Hazardous Areas** (ATEX, IECEx & more)
- ✓ Zone 1/21, Gas Group IIC, Temperature Class T5
- ✓ 100% Reflection-Free **Camera - Light** Combination
- ✓ **Single-Cable-Solution** (PoE)
- ✓ Versions with **Visible or Infrared Light**
- ✓ Protection Level of **IP66/68** (IEC 60529)
- ✓ High Resolution: **2592x1944** (5 MP bei 25/30 fps)
- ✓ Powerful **Remote Zoom Lens** (i-CS)
- ✓ **Light Control** via Camera (Web Server)
- ✓ **Lightfinder** and Forensic **WDR** Technology
- ✓ **Object Analytics** thanks to Machine Learning Processing Unit (**MLPU**)



#### Product- and Model- Variants.

Article Number	ExCam Model Key	liteServer Model Key	Description
22070476	ExCam IPM1137-LE-WL T08-VA2.2.K1.BOR-L.H-005.N-P	liteServer Ex.micro.24.WL.90 T20-VA0.1.K1.BOR-L.N-001.1-0	Visible Light. Cable Termination with Plug.
22070477	ExCam IPM1137-LE-WL T08-VA2.2.K1.BOR-L.H-005.N-T	liteServer Ex.micro.24.WL.90 T20-VA0.1.K1.BOR-L.N-001.1-0	Visible Light. Cable Termination with Terminal Box.
22070478	ExCam IPM1137-LE-IR T08-VA2.2.K1.BOR-L.H-005.N-P	liteServer Ex.micro.24.IR.90 T20-VA0.1.K1.BOR-L.N-001.1-0	Infrared Light. Cable Termination with Plug.
22070479	ExCam IPM1137-LE-IR T08-VA2.2.K1.BOR-L.H-005.N-T	liteServer Ex.micro.24.IR.90 T20-VA0.1.K1.BOR-L.N-001.1-0	Infrared Light. Cable Termination with Terminal Box.
22070501	ExCam IPM1137-LE-WL T08-VA2.2.K1.BOR-L.H-005.A-P	liteServer Ex.micro.24.WL.90 T20-VA0.1.K1.BOR-L.N-001.1-0	Visible Light. Cable Termination with Plug. Armoured Cable. Mining Version.
22070502	ExCam IPM1137-LE-IR T08-VA2.2.K1.BOR-L.H-005.A-P	liteServer Ex.micro.24.IR.90 T20-VA0.1.K1.BOR-L.N-001.1-0	Infrared Light. Cable Termination with Plug. Armoured Cable. Mining Version.

#### Dimensions [mm].



## Data.

# ExCam® IPM1137-LE



### Explosion protection

Declaration of conformity:  
Ex- certificates camera:



Ex- certificates light:

Ex- marking camera:  
Explosion protection (gas):  
Explosion protection (dust):  
Explosion protection (mining):  
Ex- marking LED luminaire:  
Explosion protection (gas):  
Explosion protection (dust):  
Explosion protection (mining):

IP66

IP68

### Mechanical characteristics

Housing material:  
Protection level:  
Weight:



### Range of temperature

Operation:  
Storage conditions:



### Power supply

### Connection cable type

Outside diameter:



### Lens

Type:

Field of view:

Minimum focus distance:

Minimum illumination:



### Camera

Image sensor:  
Shutter time:  
Videocompression:



Resolution:

Frame rate:  
Video streaming:

Image settings:

Pan/Tilt/Zoom:  
Edge storage:



### Network

Security:

Supported protocols:



### System integration

Application Programming Interface:

Analytics Included:

Event triggers:  
Event actions:

Data streaming:  
Built-in installation aids:

### Optional accessories

DIN EN/IEC/GOST... 60079-0/ 1/ 7/ 28/ 31  
TUEV-18-ATEX-8218X, IECEx-TUR-18.0023X,  
INMETRO TUEV 23.0363X, No. TC RU C-DE.HA65.B.01652/22,  
TUEV-22-UKEX-7137X, PESO: A/P/HQ/KA/104/5735,  
IA No.: MASC MS/18-3256X, OSHA: ML1112007038U1  
TUEV-21-ATEX-8696X, IECEx-TUR-22.0076X

II 2G Ex db IIC T6 Gb  
 II 2D Ex tb IIIC T80°C Db  
 I M2 Ex db I Mb\*

II 2G Ex db IIC T5 Gb  
 II 2D Ex tb IIIC T95°C Db  
 I M2 Ex db I Mb

Stainless Steel (AISI 316L/1.4404)  
IP66/68 (IEC/EN 60529)  
8 kg

-30°C to +50°C  
-40°C to +65°C, non-condensing; (put into operation at T > 0°C)

IEEE 802.3af/802.3at Class 4, typical 19.5 W, max 25.5 W

WWW.SAMCON.EU (A)SKD02-T Cat.6 / 4x2xAWG23/1 GN J/W (3G1.5)  
8.9mm ± 0.3mm/ 12.0mm ± 0.4mm

Varifocal, IR corrected, CS-mount lens; Remote zoom and focus,  
P-Iris control, 3.5 - 10 mm, F1.4  
5 MP HFoV: 99° - 31°, VFoV: 71° - 24°  
4 MP HFoV: 103° - 23°, VFoV: 54° - 18°  
0.8 m  
Color: 0.17 lux at 50 IRE F1.4, B/W: 0.03 lux at 50 IRE F1.4

1/2.7" progressive scan RGB CMOS  
1/33500 s to 1/5 s  
H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles  
H.265 (MPEG-HPart2/HEVC) Main Profile, Motion JPEG  
5 MP: 2592x1944 to 160x120  
4 MP: 2688x1512 to 160x90  
Up to 25/30 fps in all resolutions  
Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  
Axis Zipstream technology in H.264 and H.265  
Controllable frame rate and bandwidth, VBR/ABR/MBR H.264/H.265, Video streaming indicator  
Forensic WDR, manual shutter time, compression, color, contrast, brightness, sharpness, white balance,  
exposure control, exposure zones, fine tuning of behavior at low light, barrel distortion correction,  
rotation: 0°, 90°, 180°, 270° including Corridor Format, aspect ratio correction, mirroring of images, text and  
image overlay, privacy masks  
Remote-Zoom, Vario-Focus and digital PTZ  
SD/SDHC/SDXC slot supporting memory card up to 64 GB (card not included);  
Support for recording to dedicated network-attached storage (NAS)

Password protection, IP address filtering, HTTPS encryption, digest authentication, user access log,  
brute force delay protection, signed firmware, secure boot, ...  
IPv4/v6, HTTP, HTTPS, QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c, v3(MIB-II),  
DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, etc...

Open API for software integration, including VAPIX® and AXIS Camera Application Platform;  
specifications at [www.axis.com](http://www.axis.com); AXIS Video Hosting System (AVHS) with One-Click Connection;  
ONVIF® Profile G/M/S and ONVIF® Profile G, specification at [onvif.org](http://onvif.org)  
Machine Learning Processing Unit (MLPU), AXIS Video Motion Detection, active tampering alarm, Support for  
AXIS Camera Application Platform enabling installation of third-party applications, see [www.axis.com/acap](http://www.axis.com/acap)  
Analytics, edge storage events, supervised external input, edge storage events, virtual inputs through API  
Pre- and post-alarm video buffering  
File upload: FTP, SFTP, HTTP, HTTPS, network share and email  
Notification: email, HTTP, HTTPS, TCP and SNMP trap  
Event data  
Pixel counter

Wall mount bracket, Pole mount bracket, Ceiling mount bracket, Weatherprotectionroof (WPR-VA2.3)  
Terminal box ExTB-2, Non-armoured cable kits, Armoured cable kits, ExConnection Rails, ...

\* = only for models with armoured cable and plug-termination



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