

Datasheet.

Ex-Certified High Performance Camera with Integrated Illumination

Features.

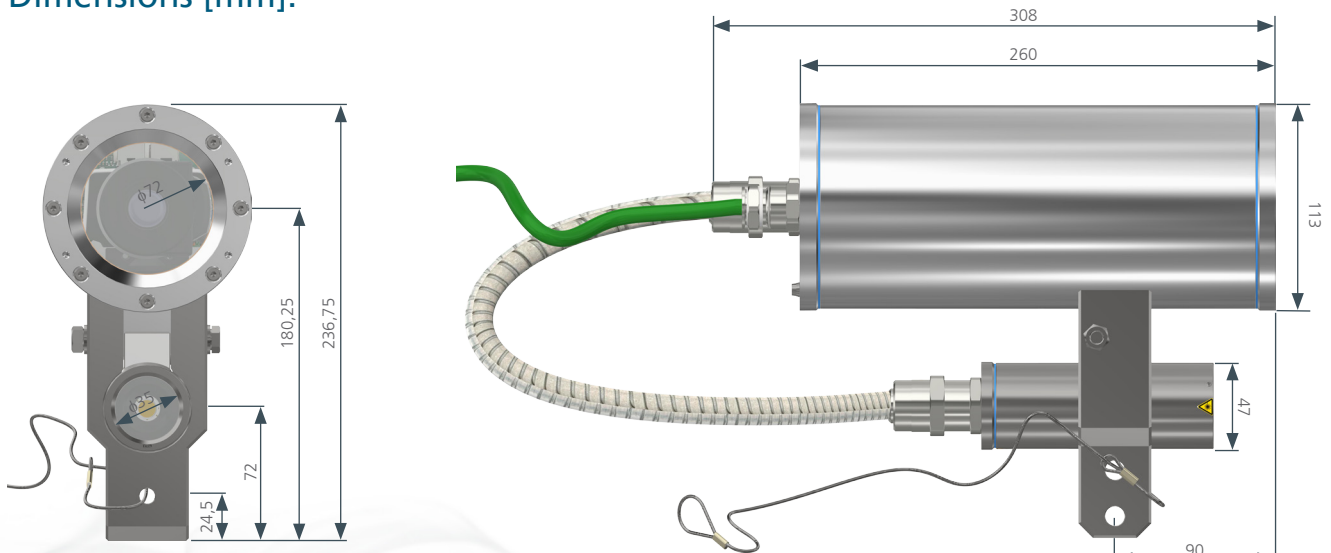
- ✓ Broad Certification Landscape for **Hazardous Areas** (ATEX, IECEx & more)
- ✓ Zone 1/21, Gas Group IIC, Temperature Class T5
- ✓ 100% Reflection-Free **Camera - Light** Combination
- ✓ **Single-Cable-Solution** (PoE)
- ✓ Versions with **Visible or Infrared Light**
- ✓ Protection Level of **IP66/68** (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):



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

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

Ex II 2G Ex db IIC T5 Gb
Ex II 2D Ex tb IIIC T95°C Db
Ex 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; AXIS Video Hosting System (AVHS) with One-Click Connection;
ONVIF® Profile G/M/S and ONVIF® Profile G, specification at 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
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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