

ExCam® IPM1 137



Datasheet.

Features.

- ✓ Broad Certification Landscape for **Hazardous Areas** (ATEX, IECEx & more)
- ✓ Zone 1/21, Gas Group IIC, Temperature Class T6
- ✓ **Arctic-Temperature-Control** (-45°C)
- ✓ **Single-Cable-Solution** (PoE)
- ✓ Protection Level of **IP66/68** (IEC 60529)
- ✓ High Resolution: **2592x1944** (5 MP bei 25/30 fps)
- ✓ **Powerful Remote-Zoom-Objektiv (i-CS)**
- ✓ **Lightfinder** and **WDR** Technologies
- ✓ **Object Analytics** thanks to **Machine Learning Processing Unit (MLPU)**
- ✓ **Integrated Microphone** for Audio Recording

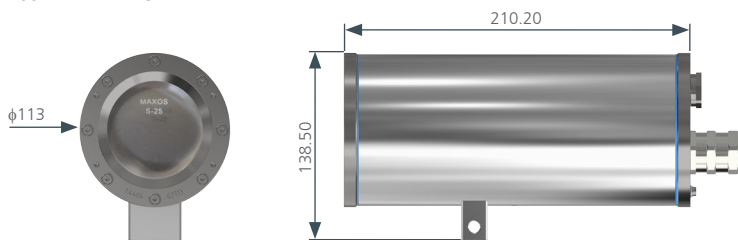


Product- and Model- Variants.

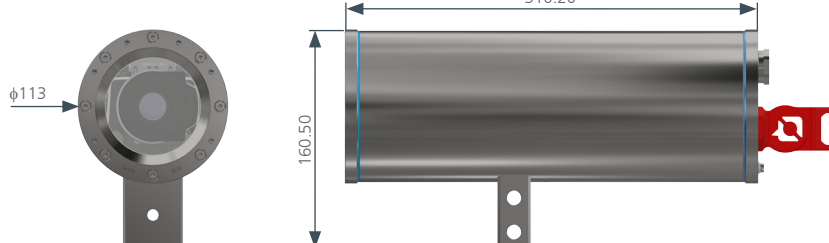
Article Number	Product Name	ExCam Model Key	Description
22070443	ExCam IPM1137	T08-VA2.1.K1.BOR-L.H-005.N-P	Camera. Cable Termination with Plug. Non-armoured Cable.
22070572	ExCam IPM1137	T08-VA2.1.K1.BOR-L.H-005.N-T	Camera. Cable Termination with Terminal box. Non-armoured Cable.
22070444	ExCam IPM1137	T08-VA2.3.K4.BOR3-LL.H-000.X-X	Camera with Heater. Cable Termination with flipConnect.
22070445	ExCam IPM1137	T08-VA2.3.K4.BOR5-L.H-000.X-X	Camera with Wiper. Cable Termination with flipConnect.
22070510	ExCam IPM1137	T08-VA2.1.K1.BOR-L.H-005.A-P	Camera. Cable Termination with Plug. Armoured Cable. Mining Version.

Dimensions [mm].

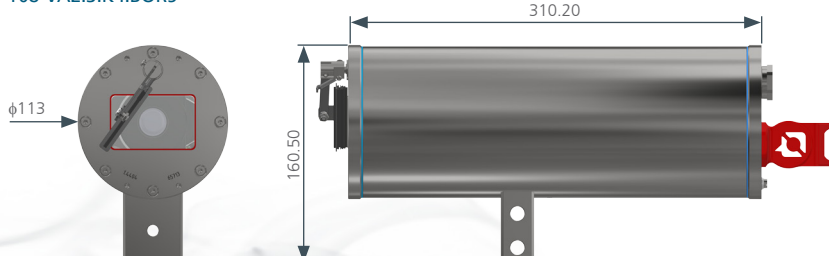
T08-VA2.1.K1.BOR



T08-VA2.3.K4.BOR3



T08-VA2.3.K4.BOR5



flipConnect Terminierung.

T08-VA2.X.K4.BORX-X.X-000.X-X



Plug Terminierung.

T08-VA2.1.K1.BOR-X.X-XXX.X-P



TerminalBox Terminierung.

T08-VA2.1.K1.BOR-X.X-XXX.X-T



Data.



Explosion protection

Declaration of conformity:
Ex- Certificates:



Ex- Marking:
Explosion protection (gas):
Explosion protection (dust):
Explosion protection (mining):



Mechanical Characteristics

Protection level (Cam/TB):
Weight:



Range of temperature



Type ...L.H:
Type ...LL.H:
Storage conditions:



Camera power supply

with heater (...LL.H...):
with wiper (BOR5):



Connection cable type

Outside diameter:



Lens



Type:
Field of view:

Minimum Object Distance (MOD):
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/ 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: ML112007038U1

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

Camera: Stainless Steel (AISI 316L/1.4404)
IP66/68 (IEC/EN 60529)
< 7.0 kg

-45°C to +50°C
-30°C to +50°C
-45°C to +50°C**(T5)
-40°C to +65°C, non-condensing; (put into operation at T > 0°C)

IEEE 802.3af/802.3at Type 1 Class 3, typical 4.5 W, max 7.2 W
PoE++ Class 6, typical 35.5 W, max. 51.0 W
PoE++ Class 5, typical 8.0 W, max. 40.0 W

WWW.SAMCON.EU (A)SKD02-T Cat.6 / 4x2xAWG23/1 GN J/W (3G1.5)
9.0 / 12.0mm ± 0.4mm

Vari-focal, IR corrected i-CS lens, remote zoom and focus, P-iris control, 3.5 - 10 mm, F1.4
5 MP HFoV: 99° - 31°, VFoW: 71° - 24°
4 MP HFoV: 103° - 33°, VFoW: 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,
rotation: 0°, 90°, 180°, 270° including Corridor Format, aspect ratio correction, mirroring of images, text and
image overlay, privacy masks

Remote-Zoom, Remote-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.X)
Terminal box ExTB-3, Non-armoured cable kits, Armoured cable kits, ExConnection Rails, ...

* = illustrations show models with accessories that are subjected to an extra charge
** = The temperature class for models with heater must be reduced to T5.
*** = mining only for variants with armoured cable and plug termination
**** = For models with wiper (BOR5 flange), the horizontal viewing angle is limited: 5MP 95° -31°;
no limitation with activated BDC (barrel distortion correction).

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