RoughCam® IPM1137

❄ -45 °C ☀ +50°C IP66 IP68 HD 1944p Onvif

Datasheet.

Features.

- ✓ Extremely robust Camera for Demanding Environments
- ✓ 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)
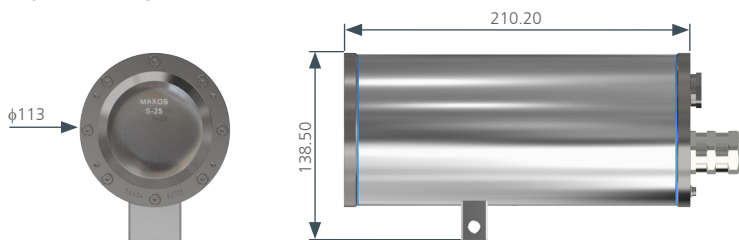- ✓ Integrated Microphone for Audio Recording
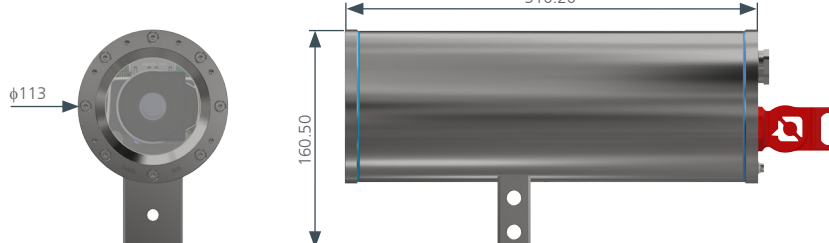
Product- and Model- Variants.

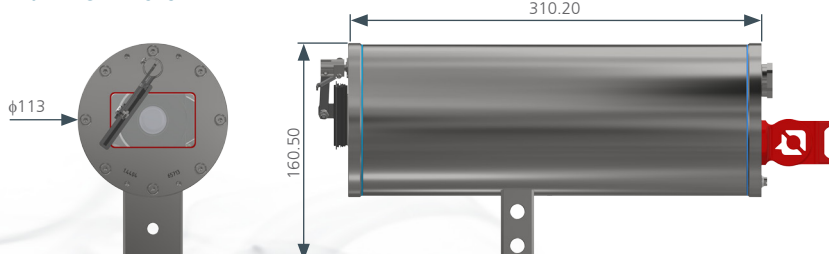| Article Number	Product Name	ExCam Model Key	Description
22070...	RoughCam IPM1137	T10-VA2.1.K1.BOR-L.H-005.N-P	Camera. Cable Termination with Plug. Non-armoured Cable.
22070...	RoughCam IPM1137	T10-VA2.1.K1.BOR-L.H-005.N-T	Camera. Cable Termination with Terminal box. Non-armoured Cable.
22070...	RoughCam IPM1137	T10-VA2.3.K4.BOR3-LL.H-000.X-X	Camera with Heater. Cable Termination with flipConnect.
22070...	RoughCam IPM1137	T10-VA2.3.K4.BOR5-L.H-000.X-X	Camera with Wiper. Cable Termination with flipConnect.
22070558	RoughCam IPM1137	T10-VA2.1.K1.BOR-L.H-005.A-P	Camera. Cable Termination with Plug. Armoured Cable.

Dimensions [mm].

T10-VA2.1.K1.BOR

ø113

210.20

138.50

T10-VA2.3.K4.BOR3

ø113

310.20

160.50

T10-VA2.3.K4.BOR5

ø113

310.20

160.50

flipConnect Terminierung.

T10- VA2.X.K4.BORX-X.X-000.X-X

ExCam T08...X

Plug Terminierung.

T10- VA2.1.K1.BOR-X.X-XXX.X-P

ExCam To8...P

TerminalBox Terminierung.

T10- VA2.1.K1.BOR-X.X-XXX.X-T

ExCam To8...T

RoughCam® IPM1137
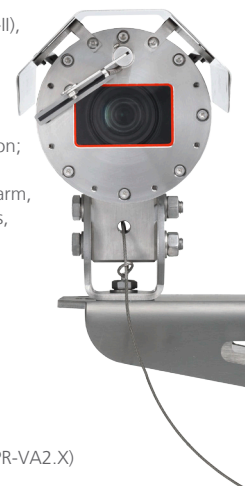
Mechanical Characteristics
Protection level (Cam/TB):
Weight:

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

IP66

IP68

Range of temperature
Type ...L.H:
Type ...LL.H:
Storage conditions:

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

+50°C

-45 °C

Camera power supply
with heater (...-LL.H-...):
with wiper (BOR5):

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

Connection cable type
Outside diameter:

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

Lens
Type:

Field of view:

Minimum Object Distance (MOD):
Minimum illumination:

Varifocal, 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

Camera
Image sensor:
Shutter time:
Videocompression:

Resolution:

Frame rate:
Video streaming:

Image settings:

Pan/Tilt/Zoom:
Edge storage:

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, 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)

HD
1944p

Network
Security:

Supported protocols:

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...

System integration
Application Programming Interface:

Analytics Included:

Event triggers:

Event actions:

Data streaming:
Built-in installation aids:

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

ONVIF

Optional accessories

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

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* = illustrations show models with accessories that are subjected to an extra charge
** = For models with wiper (BOR5 flange), the horizontal viewing angle is limited: 5MP 95° -31°;
      no limitation with actived BDC (barrel distortion correction).