RoughCam® IPQ1715
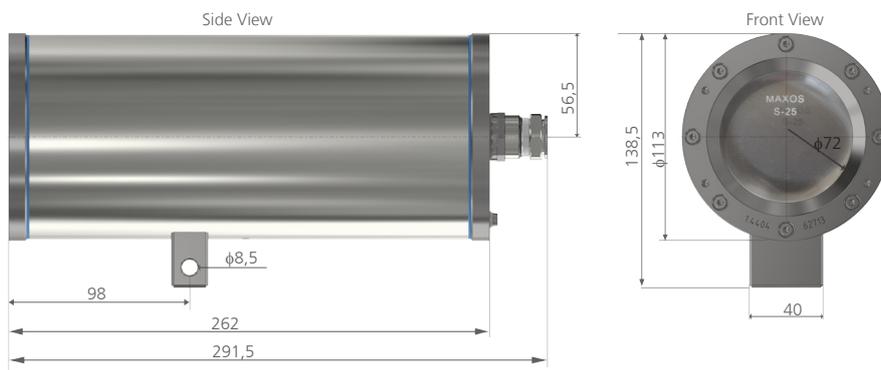
❄ -60 °C ☀ +50°C IP66 IP68 HD 1080p Onvif

Datasheet.

Features.

✓ Deep Learning Processing Unit (DLPU) for Artificial Intelligence (AI) Applications
✓ Granular Object Classification & Motion Detection
✓ High Resolution: 1920x1080 (HDTV1080p at 50/60 fps)
✓ Powerful Motor-Zoom and Auto-Focus Lens (21xoptical)
✓ High Light Sensitivity with 1/2.8"CMOS Sensor
✓ Arctic-Temperature-Control (-60°C)
✓ Forensic WDR & Lightfinder Technology
✓ Protection Level of IP66/68 (IEC 60529)
✓ Electronic Image Stabilization (EIS)
✓ Optional Enclosure Cooling System allows Use at +120°C

Dimensions [mm].

Side View

56,5
98
φ8,5
262
291,5

Front View

MAXOS S-25
138,5
φ113
φ72
14404 62313
40

Models.

T10- VA.2.2.K1.BOR- X.X- XXX.X- X

P = Plug RJ45 cable connector (standard)
T = Terminal box (Ex-e) connection

N = Non armoured cable (standard)
A = Armoured cable

___ = Cable lenght (see UM) (005 = standard)

N = No modification for hot temperatures (T$_{amb}$ $\leq$ +50°C)
H = Battery removed (T$_{amb}$ $\leq$ +50°C)
HH = Active cooling system for high temp. (T$_{amb}$ $\leq$ +120°C)**

L = Low temperature (T$_{amb}$ $\geq$ -40°C)
LL = Low Low temp., PTC heater installed (T$_{amb}$ $\geq$ -60°C)

VA2.2.K1.BOR = Camera in stainless steel enclosure 1.4404

T10 = Camera type No. 10, cameras for safe areas

Plug Termination.

T10- VA2.2.K1.BOR-X.X-XXX.X-P

RoughCam T10...P

Terminal Box Termination.

T10- VA2.2.K1.BOR-X.X-XXX.X-T

RoughCam T10...T

Data.

RoughCam® IPQ1715

Mechanical Characteristics (CAM/TB)   Stainless Steel (AISI 316L/1.4404), Polyester resin
Protection level (CAM/TB):   IP66/68, IP66 (IEC/EN 60529)
Weight: ca.6.0 kg

Range of temperature
Type ...L.N: -40°C bis +50°C
Type ...LL.H: -60°C bis +50°C
Type ...L.HH: -40°C bis +120°C**

Camera power supply   IEEE 802.3af/802.3at Type 2 Class 4, typical 12 W, max 13.5 W
Heater power supply   40W@24VDC@-60°C (see user manual)

Connection cable type   WWW.SAMCON.EU ... Cat.6 / 4x2xAWG23/1 ...
Outside diameter: 9 mm - 17 mm

Lens
Type: Varifocal, 4 – 84.6 mm, F1.6-F4.5, Autofocus, P-Iris control
Field of view: HFoV: 76° – 3.6°, VFoW: 42° – 2.2°
Minimum object distance: 7 cm (wide); 95 cm (tele)
Minimum illumination: Color: 0.1 lux at 50 IRE F1.5, B/W: 0.02 lux at 50 IRE F1.5
(25/30 fps with WDR and Lightfinder)
Color: 0.2 lux at 50 IRE F1.5, B/W: 0.04 lux at 50 IRE F1.5
(50/60 fps with WDR and Lightfinder)

Camera
Image sensor: 1/2.8" progressive scan RGB CMOS
Shutter time: 1/66500 s to 2 s
Videocompression: H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles,
H.265 (MPEG-H Part 2/HEVC) Main Profile, Motion JPEG
Resolution: 1920x1080 to 160x90
Frame rate: Up to 60/50 fps (60/50 Hz) in all resolutions
Video streaming: 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
Image settings: Saturation, contrast, brightness, sharpness,
Forensic WDR (up to 120 dB depending on scene), white balance,
day/night threshold, tone mapping, local contrast,
electronic image stabilization (EIS), exposure mode,
exposure zones, defogging, compression, dynamic text and image overlay,
polygon privacy masks, mirroring of images,
rotation: auto, 0°, 90°, 180°, 270° including Corridor Format
Scene profiles: forensic, vivid, traffic overview
Pan/Tilt/Zoom: Zoom: 21x optical, 100 preset positions, control queue, adjustable zoom speed, uploadable PTZ driver
Edge storage: Support for microSD/microSDHC/microSDXC card (card not included);
Recording to network-attached storage (NAS)

Network
Security: Password protection, IP address filtering, HTTPS encryption, digest authentication, user access log, centralized
certificate management, brute force delay protection, ...
Supported protocols: 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: Open API for software integration, including VAPIX® and AXIS Camera Application Platform;
specifications at www.axis.com; One-click cloud connection;
ONVIF® Profile M, ONVIF® Profile S, ONVIF® Profile T and ONVIF® Profile G, specification at onvif.org
Analytics included: Deep Learning Processing Unit (DLPU), AXIS Object Analytics, AXIS Video Motion Detection,
Support for AXIS Camera Application Platform enabling installation of third-party applications,
see www.axis.com/acap
Event triggers: Analytics, edge storage events, supervised external input, edge storage events, virtual inputs through API
Event actions: Pre- and post-alarm video or image buffering, File upload: FTP, SFTP, HTTP, HTTPS, network share and email
Notification: email, HTTP, HTTPS, TCP and SNMP trap
Data streaming: Event data
Built-in installation aids: Pixel counter, leveling guide, license plate capture assistant

Optional accessories   Wall mount bracket, Pole mount bracket, Ceiling mount bracket,
Non-armoured cable kits, armoured cable kits, Connection Rails, ...

Q SAMCON
Prozessleittechnik GmbH

Schillerstrasse 17
D-35102 Lohra-Altenvers

info@samcon.eu
T: +49 6426 9231-0
F: +49 6426 9231-31

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*   = illustrations show models with accessories that are subjected to an extra charge
**   = this model requires the SAMCON cool.Jacket.