RoughCam® IPQ1656









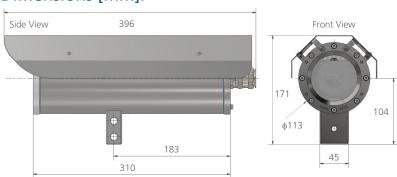
Datasheet.

Features.

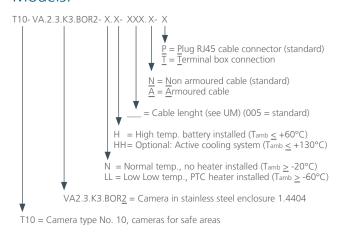
- Extremely robust Camera for Demanding Environments
- ✓ Deep Learning Processing Unit (DLPU) for Artificial Intelligence (AI) Applications
- ✓ Granular Object Classification
- ✓ Ki-based Dynamic Privacy Shield
- ✓ High Resolution: 4MP (QuadHD at up to 60 fps)
- ✓ Powerful Remote Zoom and Focus Lens (supports i-CS)
- ✓ High Light Sensitivity with 1/1.8"CMOS Sensor
- ✓ Arctic-Temperature-Control (-60°C)
- ✓ Single-Cable-Solution (PoE / 24VDC)
- ✓ Protection Level of IP68 (IEC 60529)
- ✓ Electronic Image Stabilization (EIS)
- ✓ Optional with cool.Jacket for use to +130°C

Siest Miles

Dimensions [mm].



Models.



Plug Termination.

T10- VA2.3.K3.BOR2-X.X-XXX.X-<u>P</u>



Terminal Box Termination.

T10- VA2.3.K3.BOR2-X.X-XXX.X-<u>T</u>



Data.

RoughCam® IPQ1656

Schillerstrasse 17

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

F: +49 6426 9231-31

D-35102 Lohra-Altenvers



Mechanical Characteristics (CAM/TB)

Protection level (CAM/TB):

Weight:





Range of temperature



Type ...N.H: Type ...LL.H: Type ...N.HH:



Camera power supply Heater power supply

Connection cable type

IEEE 802.3af/802.3at Type 1 Class 3, typical 5.1 W, max 8.2 W 40W@24VDC@-60°C (see user manual)

40W@24VDC@-60°C (see user manual)

WWW.SAMCON.EU SKD01-T / Cat.6 / 4x2xAWG22/1 ASK02-T / (A)SKDP03-T / Cat.6 / AWG23/1

SKD05-HT / Cat.6 / 4x2xAWG26/7 (Option cool.Jacket)

Outside diameter: 9 mm - 17 mm



Lens

Type: Field of view:

Minimum illumination: Color: 0.05 lux at 50 IRE F1.5, B/W: 0.01 lux at 50 IRE F1.5 (at 25/30 fps with WDR and Lightfinder)

IR corrected i-CS lens; 3.9 - 10 mm, F1.5

HFoV: 100° - 47°, VFoW: 63° - 27°

Color: 0.1 lux at 50 IRE F1.5, B/W: 0.02 lux at 50 IRE F1.5 (at 50/60 fps with Lightfinder)

Minimum Object Distance: 1 cm



4MP

Camera

Image sensor: 1/1.8" progressive scan RGB CMOS

Shutter time: 1/47500 s to 1 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

-20°C bis +60°C

-60°C bis +60°C

-20°C bis +130°C**

Resolution: 16:9 2688x1512 QuadHD to 160x90; 4:3 2016x1512 to 160x120

Frame rate: Up to 60/50 fps (60/50 Hz) in all resolutions (no WDR);

Up to 30/25 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

Multi-View Streaming: Up to 8 individually cropped out view areas

Image settings: Saturation, contrast, brightness, Forensic WDR, white balance, day/night threshold, tone mapping,

exposure mode, exposure zones, defogging, electronic image stabilization, compression,

barrel distortion correction, dynamic text and image overlay, polygon privacy masks, mirroring of images,

rotation: 0°, 90°, 180°, 270° including Corridor Format

Pan/Tilt/Zoom: Digital PTZ, preset positions, uploadable PTZ driver, Remote Zoom and Remote Focus

Edge storage: SD/SDHC/SDXC slot supporting memory card (card not included); Support for recording to dedicated network-attached storage (NAS)



Network

Security: IEE 802.1X (EAP-TLS, PEAP-MSCHAPV2), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security

(NTC) X 500 Contificator BKI, best based firewall signed fireways by the force dalay protection.

(NTS), X.509 Certificate PKI, host-based firewall, signed firmware, brute force delay protection,

digest authentification, password protection, AXIS Edge Vault, .

Supported protocols: IPv4/v6, USGv6, HTTP, HTTPS, HTTP/2, TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIF/SMB, SMTP, Bonjour, UPnP, SNMPv1/v2c/, v3(MIB-II), DNS, DynDNS, NTP, NTS, RTSP, RTP, TCP, UDP, IGMP, etc...



System integration

Event actions:

Application Programming Interface: 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 S, ONVIF® Profile M, ONVIF® Profile T and ONVIF® Profile G, specification at onvif.org

Analytics Included: Deep Learning Processing Unit (DLPU), AXIS Object Analytics, AXIS Motion Guard, AXIS Loitering Guard, AXIS Video Motion Detection, active tampering alarm, audio detection, gatekeeper Supported AXIS

Perimeter Defender, AXIS Cross Line 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

Pre- and post-alarm video buffering

File upload: FTP, SFTP, HTTP, HTTPS, network share and email

Notification: email, HTTP, HTTPS, TCP and SNMP trap

Data streaming: wEvent data

Built-in installation aids: Remote zoom and focus, remote back focus, leveling assistant, pixel counter

Optional accessories Wall mount bracket, P

Wall mount bracket, Pole mount bracket, Ceiling mount bracket, cool.Jacket Non-armoured cable kits, Armoured cable kits, ExConnection Rails, ...

= Iwllustrations show models with accessories that are subjected to an extra charge

= This model requires the SAMCON cool Jacket. The cooling water according to the requirements must be available or be produced.

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