ExCam® IPP1387

Datasheet.

Features.
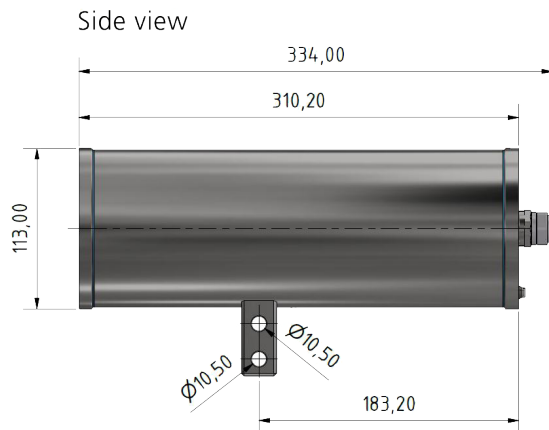
✓ Broad Certification Landscape for Hazardous Areas (ATEX, IECEx, INMETRO, EAC-Ex and more)

✓ Arctic-Temperature-Control (-60°C)

✓ Single-Cable-Solution (PoE / 24VDC)

✓ Protection Level of IP66/68 (IEC 60529)

✓ High Resolution: 2592x1944 (5 MP at 25/30 fps)

✓ Powerful Remote-Zoom-Lens (i-CS)

✓ Deep Learning Analysis Functions

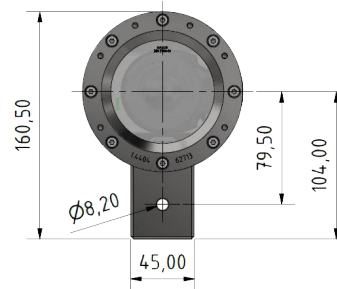✓ Lightfinder and WDR Technologies

✓ Easy VMS Integration

Zones.

Group II (Gas & Dust)	ATEX / IECEx / ...				
Zone	0	1	2	21	22
For use in	✗	✓	✓	✓	✓

More certificates on request

Dimensions [mm].

Side view

334,00
310,20
113,00
Ø10,50
Ø10,50
183,20

Front view

160,50
79,50
104,00
Ø8,20
45,00

*

Safety Wire

Models.

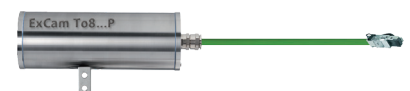T08- VA.2.3.K3.BOR2- X.X- XXX.X- X

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)

H = High temp. battery installed (T$_{amb}$ $\leq$ +60°C)

N = Normal temp., no heater installed (T$_{amb}$ $\geq$ -10°C)
LL = Low Low temp., PTC heater installed (T$_{amb}$ $\geq$ -60°C)

VA2.3.K3.BOR2 = Camera in stainless steel enclosure 1.4404

T08 = ATEX, IECEx & EAC-Ex camera type No. 08 (TÜV 18...)

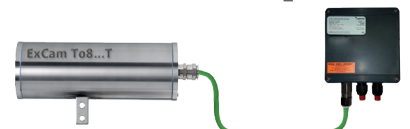## Plug Termination.

T08- VA2.3.K3.BOR2-X.X-XXX.X-P

ExCam To8...P

Terminal Box Termination.

T08- VA2.3.K3.BOR2-X.X-XXX.X-T

ExCam To8...T

Data.

ExCam® IPP1387

Explosion protection
Declaration of conformity: DIN EN/IEC/GOST... 60079-0/ 1/ 7/ 31
Ex- Certificates: 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

Ex- Marking of the camera:
Explosion protection (gas): (Ex) II 2G Ex db IIC T6 Gb**
Explosion protection (dust): (Ex) II 2D Ex tb IIIC T80°C Db**
Explosion protection (mining): (Ex) I M2 Ex db I Mb***
Ex- Marking of the junction box:
Explosion protection (gas): (Ex) II 2G Ex eb IIC T5 Gb
Explosion protection (dust): (Ex) II 2D Ex tb IIIC T95°C Db (IP66)

Mechanical Characteristics
Camera: Stainless Steel (AISI 316L/1.4404), TB: Polyester Resin
Protection level (Cam/TB): IP66/68 / IP66 (IEC/EN 60529)
Weight: 7.8 kg

Range of temperature
-60°C to +60°C
Type ...N.H: -10°C to +60°C
Type ...LL.H: -60°C to+60°C****(T5)
Storage conditions: -40°C to +65°C, non-condensing; (put into operation at T > 0°C)

Camera power supply
IEEE 802.3af/802.3at Type 1 Class 3, typical 4.24 W, max 11.73 W
Heater power supply
40W@24VDC@-60°C (see user manual)

Connection cable type
WWW.SAMCON.EU (A)SKD02-T bzw. (A)SKDP03-T Cat.6 / 4x2xAWG23/1 GN J/W (3G1.5)
Outside diameter: 8.9mm ± 0.3mm / 15.5mm ± 0.6mm

Lens
Type: IR corrected, i-CS-mount lens; 2.8 - 8.5 mm,F1.2
Field of view: HFoV: 103° – 38°, VFoW: 81° – 28°
Minimum illumination: Color: 0.1 lux at 50 IRE F1.2, B/W: 0.02 lux at 50 IRE F1.2

Camera
Image sensor: 1/2.7" progressive scan RGB CMOS
Shutter time: With WDR: 1/66500 s to 2 s
Videocompression: H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
H.265 (MPEG-HPart2/HEVC) Main Profile, Motion JPEG
Resolution: 2592x1944 (5MP) to 160x90 (16:9), 2688x1512 (4MP) to 160x90 (16:9),
1280x720 (HDTV 720p) to 160x90 (16:9), 2592x1944 to 160x120 (4:3)
Frame rate: 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,
Video streaming indicator
Image settings: Contrast, brightness, sharpness, white balance, day/night threshold, tone mapping, exposure mode,
exposure zones, defogging, barrel distortion correction, compression, rotation: 0°, 90°, 180°, 270°
including corridor format, mirroring, text and image overlay,dynamic text and image overlay, privacy masks,
polygon privacy mask, target aperture
Pan/Tilt/Zoom: Remote-Zoom, Remote-Focus and digital PTZ
Edge storage: SD/SDHC/SDXC slot supporting memory card up to 64 GB (card not included);
Support for recording to dedicated network-attached storage (NAS)

Network
Security: Password protection, IP address filtering, HTTPS encryption, digest authentication, user access log
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; AXIS Video Hosting System (AVHS) with One-Click Connection;
ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org
Analytics Included: Deep Learning Processing Unit (DLPU), AXIS Object Analytics, AXIS Scene Metadata, AXIS Image Health
Analytics, AXIS Live Privacy Shieldc, AXIS Video Motion Detection; Support for AXIS Perimeter Defender,
AXIS License Plate Verifier, AXIS Speed Monitor, 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 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

Optional accessories
Wall mount bracket, Pole mount bracket, Ceiling mount bracket, Weatherprotectionroof (WPR-VA2.3)
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
** = depending on model (see User Manual)
*** = mining only for variants with armoured cable and plug termination
**** = LL-models downgrade of temperature class to T5

SAMCON Prozessleittechnik GmbH

Schillerstrasse 17
D-35102 Lohra-Altenvers

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