ExCam® IPM3905

Datasheet.

Features.



- ✓ Broad Certification Landscape for Hazardous Areas (ATEX, IECEx, INMETRO, EAC-Ex ...)
- ✓ Resolution: 2MP 1920x1080p
- ✓ High Light Sensitivity with 1/2.9"CMOS Sensor
- ✓ Lightfinder and Forensic WDR
- ✓ Protection Level of IP66/68 (IEC 60529)
- ✓ Field Exchangeable Lens (88° Standard, optional 51°/39°)
- ✓ Multi-Streaming and Videocompression H.265

Zones.

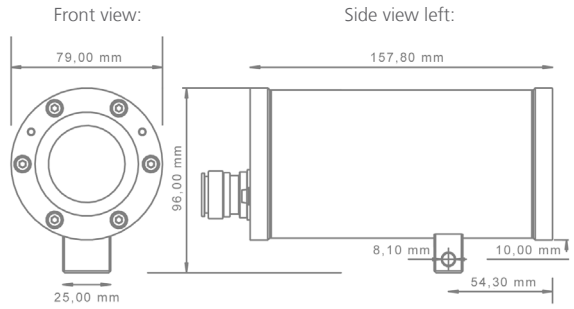
Group I (Mining)	ATEX / IECEx / ...	
Zone	Ma	Mb
For use in	✗	✓

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

More certificates upon request.

Dimensions.

T08-VA1.2.K1.BOR



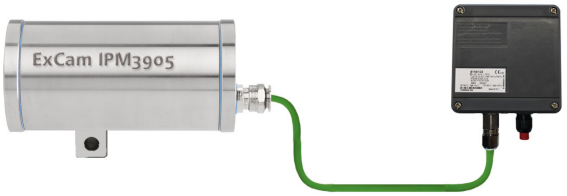
Plug termination.

T08- VA.1.2.K1.BOR- X.X-XXX.X-P- XXX



Terminal box termination.

T08- VA.1.2.K1.BOR- X.X-XXX.X-T- XXX



Models.

T08 - VA1.2.K1.BOR- L. N - XXX. X-X - XXX

- XXX = Objectiv Options
- P = Plug RJ45 cable connection (standard)
  T = Terminal box (Ex-e) connection
- N = Non-armoured cable (standard)
  A = Armoured cable
- ___ = Cable length (005 = Standard)
- N = Normal temperatures ($T_{amb} \leq +60°C$)
- L = for moderately low temperatures ($T_{amb} \geq -30°C$)
- VA1.2.K1.BOR = Camera in stainless steel housing 1.4404

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

Objectiv Options (on request)

T08-VA1.2.K1.BOR-L.N-XXX.X-X-039 (tele)	Megapixel Objectiv 8,0mm	F1.6 IR	HAoV@16/9=39°
T08-VA1.2.K1.BOR-L.N-XXX.X-X-051 (tele)	Megapixel Objectiv 6,0mm	F1.6 IR	HAoV@16/9=51°
T08-VA1.2.K1.BOR-L.N-XXX.X-X-088 (wide, standard)	Megapixel Objectiv 3,6mm	F2.0 IR	HAoV@16/9=88°

Data.

ExCam® IPM3905

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, IA No.: MASC MS/18-3256X,
Ex- Marking:	
Explosion protection (gas):	II 2G Ex db IIC T6 Gb
Explosion protection (dust):	II 2D Ex tb IIIC T80°C Db
Explosion protection (mining):	I M2 Ex db I Mb**

Mechanical Characteristics

	Camera: Stainless Steel (AISI 316L/1.4404)
Protection level (Cam/TB):	IP66/68 (IEC/EN 60529)
Weight:	< 3.0kg

Range of Temperature

Type ...L.N:	-30°C to +60°C
Storage conditions:	-40°C to +65°C, non-condensing; (put into operation at T > 0°C)

Camera power supply

no heater (...-L.N-...)	PoE, IEEE 802.3af/802.3at, C1, typ. 2.2W, max. 3.8 W

Connection cable type

	WWW.SAMCON.EU (A)SKD02-T Cat.6 / 4x2xAWG23/1 GN J/W (3G1.5)
Outside diameter:	8.9 ± 0.3mm / 12.0mm ± 0.4mm

Lens

Type:	Fixed lens, 3.6 mm, F2.0
Field of view:	2 MP horizontal: 88° , vertical: 47° (standard, optional: lens selection)
Minimum Object Distance (MOD):	0.3 m
Minimum illumination:	Color: 0.04 lux at 30 IRE F2.0, 0.13 lux at 50 IRE F2.0

Camera

Image sensor:	1/2.9“ progressive scan RGB CMOS
Shutter time:	1/19000 s bis 1/5 s, (WDR)
Videocompression:	H.264 (MPEG-4 Part 10/AVC) Main and High Profile H.265 (MPEG-HPart2/HEVC) Main Profil , Motion JPEG
Resolution:	2 MP: 1920x1080 bis 640x360
Frame rate:	Up to 25/30 fps
Video streaming:	up to 4 independent and individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264, H.265 Controllable frame rate and bandwidth, VBR/ABR/MBR H.264/H.265
Image settings:	Forensic WDR, compression, contrast, brightness, sharpness, white balance, exposure control, exposure zones, image mirroring, 32 individual polygonal privacy masks, dynamic overlay, rotation: 0°, 90°, 180°, 270° including Corridor Format
Pan/Tilt/Zoom:	digital PTZ, preset positions
Edge storage:	microSD/microSDHC/microSDXC with UHS Speed Class U1 (card not included); Support for recording to dedicated network-attached storage (NAS)

Network

Security:	Password protection, HTTPS encryption, digest -authentication, user access log, brute force delay protection, signed firmware, secure boot,...
Supported protocols:	IPv4/v6, HTTP/2, HTTPS[2], QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/, v3(MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, etc...

System integration

Application Programming Interface:	Open API for software integration, including VAPIX® and AXIS Camera Application Plattform ACAP; specification at www.axis.com/developer-community; One-Click Cloud Connect ONVIF® Profile G/M/S and ONVIF® Profile T, specification at onvif.org
Analytics Included:	AXIS Privacy Mask, AXIS Video Motion Detection, AXIS Tampering Detection, active tampering alarm, Support for AXIS Fence Guard, AXIS Loitering Guard, AXIS Motion Guard Support for AXIS Camera Application Plattform: enabling installation of third-party applications, see www.axis.com/acap
Event triggers:	Edge storage: continuous recording, storage suspension, open API, tamper detection
Event actions:	File-Upload: FTP, SFTP, HTTP, HTTPS, network share and email Notification: E-Mail, HTTP, HTTPS, TCP
Data streaming:	Video Streaming Indicator
Built-in installation aids:	Pixel counter

Optional accessories

Wall mount bracket (WMB), Pole mount bracket (PMB), Ceiling mount bracket (CMB), Wheather protection roof (WPR-VA1.X), ...

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

** = Mining certification applies only to models with armoured cable and plug termination

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