

# ExCam® IPQ1765



## Datasheet.

### Features.

- ✓ ATEX, IECEx & EAC-Ex certification for explosive atmospheres
- ✓ High resolution: **1920x1080** (HDTV 1080p)
- ✓ Powerful Motor-Zoom-Lens (**18x optical**) and Autofocus functionality
- ✓ Single-cable-solution (PoE) IEEE 802.3af
- ✓ Protection level of **IP68** (IEC 60529)
- ✓ Easy integration in a complex video surveillance system



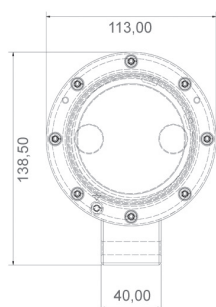
### Zones.

Group I (Mining)	ATEX / IECEx / EAC-Ex		Group II (Gas & Dust)	ATEX / IECEx / EAC-Ex				
Category	Ma	Mb	Zone	0	1	2	21	22
For use in	✗	✓	For use in	✗	✓	✓	✓	✓

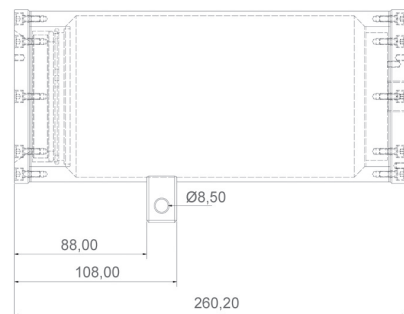
More certificates on request

### Dimensions.

T08-VA2.2.K1.BOR Front view

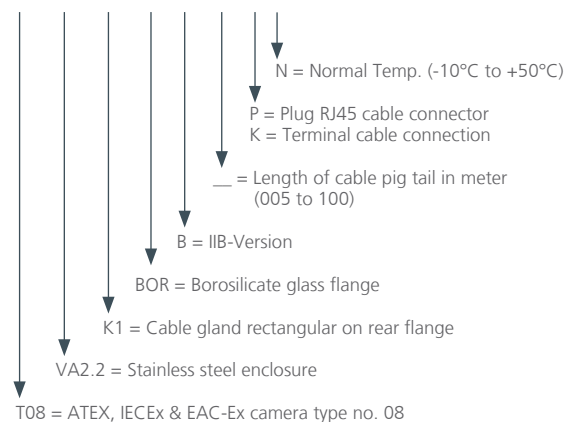


Left side view



### Models.

T08-VA2.2.K1.BOR-B-XXX-X-X



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## Explosion protection

Declaration of conformity:

DIN EN 60079-0:2012, DIN EN 60079-1:2007  
 DIN EN 60079-31:2009  
 TR CU 012/2011, GOST R IEC 60079-0-2011,  
 GOST IEC 60079-1-2011, GOST R IEC 60079-31-2010



Marking acc. to ATEX directive 2014/34/EU:  
 Explosion protection (gas):  
 Explosion protection (dust):  
 Mines susceptible to firedamp:

TUEV-14-ATEX-7539X  
 II 2G Ex d IIB T6 Gb  
 II 2D Ex t IIIC T80°C Db IP68  
 I M2 Ex d I Mb



Marking according to IECEx:  
 Explosion protection (gas):  
 Explosion protection (dust):  
 Mines susceptible to firedamp:

IECEX-TUR-14.0026X  
 Ex d IIB T6 Gb  
 Ex t IIIC T80°C Db IP68  
 Ex d I Mb



Marking according to EAC-Ex:  
 Explosion protection (gas):  
 Explosion protection (dust):  
 Explosion protection (mining):

No. TC RU C-DE.MIO62.B.01921  
 Ex d IIB T6 Gb  
 Ex tb IIIC T80°C Db IP68  
 PB Ex d I Mb



## Mechanical characteristics

Housing material:  
 Protection level:  
 Weight:

Stainless Steel 1.4404 (AISI 316L)  
 or optional 1.4301 (AISI 304)  
 IP 68 (IEC / EN 60529)  
 T08-VA2.2-K1: 5200g



## Range of temperature

T08-VA2.2.K1.BOR-C-XXX-X-N:

-10°C to +50°C



## Electrical characteristics

Power supply (camera):

PoE, IEEE 802.3af/802.3at Type 1 Class 3  
 Max. 12.95W, typical 4.5W



## Connection cable

Outside diameter:  
 Twisted pair structure (data):

9.8 ±0.2 mm  
 4 x 2 x AWG22/1 CAT.6a



## Lens

Type:  
 Horizontal angle of view  
 Minimum illumination:

4.7-84.6 mm, F1.6-2.8  
 59°-4°  
 Colour: 0.5 lx, B/W: 0.04 lx  
 Autofocus, Automatic day/night IR filter



## Camera

Image sensor:  
 Shutter time:  
 Video compression:  
 Resolutions:  
 Frame rate H.264 / Motion JPEG:  
 Pan/Tilt/Zoom:  
 Video streaming:

Progressive scan RGB CMOS 1/2.9"  
 1/28000 s to 2 s  
 H.264 (MPEG-4 Part 10/AVC) Baseline, High, and Main Profiles Motion JPEG  
 1920x1080 HDTV 1080p to 160x100  
 25/30 fps in all resolutions  
 Zoom: 18x optical and 12x digital  
 Multiple, individually configurable streams in H.264 and Motion JPEG  
 Controllable frame rate and bandwidth VBR/CBR H.264



Frame rate H.264 / Motion JPEG:



Video streaming:

Image settings:

Compression, Brightness, Sharpness, White balance, Exposure control, Exposure zones, Backlight compensation, Fine tuning of behavior at low light, Mirroring of images, Rotation: Auto, 0°, 90°, 180°, 270° including Corridor Format (not applicable in analog video output), Text and image overlay, Privacy mask, WDR – dynamic capture, Defogging, Day/Night shift level, Noise reduction  
 Support for SD/SDHC/SDXC card Support for recording to dedicated network-attached storage (NAS)  
 For SD card and NAS recommendations see [www.axis.com](http://www.axis.com)



## Network

Security:  
 Application Programming Interface:  
 Intelligent video:  
 Alarm triggers / Alarm events:

Password protection, IP address filtering, HTTPs encryption, IEEE 802.1Xa network access control, 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, RTCP, ICMP, DHCP, ARP, SOCKS  
 Open API for software integration, including VAPIX®, Support for AXIS Camera Application Platform, AXIS Cross Line Detection, AXIS Digital Autotracking; specifications at [www.axis.com](http://www.axis.com) AXIS Video Hosting System (AVHS) with One-Click Camera Connection ONVIF Profile S, specifications at [www.onvif.org](http://www.onvif.org)  
 Video motion detection, Tampering alarm, Audio detection, Gatekeeper, AXIS Camera Application Platform enabling installation of additional application  
 Detectors, Hardware, Input signal, PTZ, Edge storage events, System, Time, File upload: FTP, SFTP, HTTP, network share / email Notification: email, HTTP and TCP External output activation Video recording to edge storage, Play audio clip Pre- and post-alarm video buffering PTZpreset, Overlaytext, SendSNMPtrap, StatusLED, WDRmod

