

ExCam® IP1365



Datasheet.

Features.

ExCam IP1365 – Max. resolution: 1920 x 1080 (2 megapixel) + P-Iris Function

With the ExCam IP1365, SAMCON offers a compact, explosion-proof stainless steel case with an integrated IP camera. The ExCam IP1365 is equipped with all features to be found in modern IP cameras such as HDTV or megapixel resolution with reduced noise and motion blur in demanding light conditions, remote configuration, event management, intelligent video and tampering alarm. Furthermore, the ExCam IP1365 includes the ability to seamlessly transition between WDR and Lightfinder mode. It also allows the easy storage of video data and the „Plug & Play“ design supports the expansion of the video network including the easy on-site replacement of cameras.

Free choice of lens and Power over Ethernet (PoE)

The ExCam IP1365 can be equipped with different lenses and thus it optimally adapts to your video surveillance system. It supports Power over Ethernet (PoE) which means that the data as well as the power are provided by one single line. We standardly supply the camera with a 5 m cable pig tail (other lengths are possible) and optionally also with explosion-proof distribution boxes.

Modular housing concept - different interfaces

The housing of the ExCam IP1365 can reflect various stainless steel qualities and can also be coated with an optional protective lacquer in order to adapt it best to your demands. The PTFE seal allows a protection level of IP68 (IEC 60529) and is very resistant to most media (a media resistance list is available upon request). The intelligent climate control system allows the use in ambient temperatures ranging from -60°C to +50°C and a fiber optic or wireless adapter supports the transmission of data over long distances. The camera body is extremely compact with a length of 260 mm and a diameter of 113 mm.

Visualization concepts without additional software installation

In connection with SAMCONtrol®, the world's first browser-based video management software, which is particularly well suited for integration into control systems, and the (Ex) Connection Rail-series it, is as easy as „Plug & Play“ to integrate the ExCam IP1365 in a complex video surveillance system in the hazardous area.

Our project planning engineers will be pleased to support you with the **design, documentation, commissioning,** and **maintenance** of your video surveillance system.



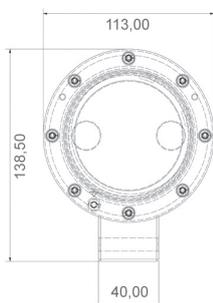
Zones.

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	✗	✓	✓	✓	✓

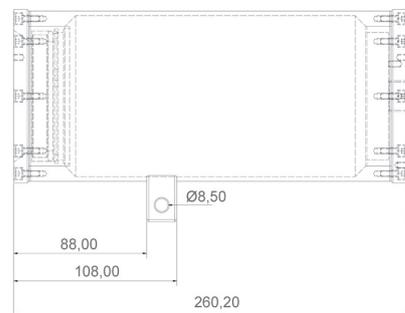
More certificates on request

Dimensions.

T08-VA2.2.K1.BOR Front view

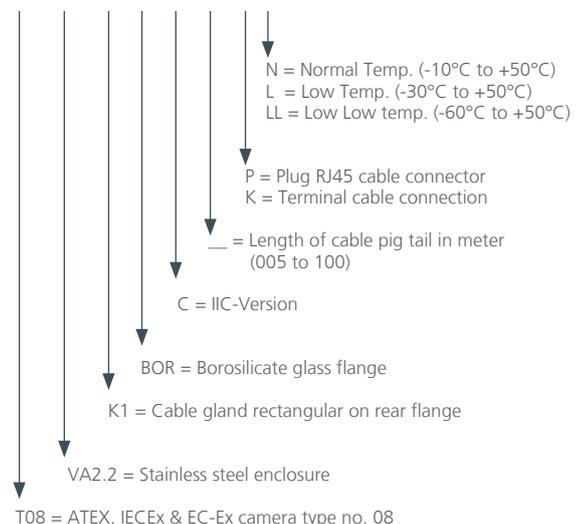


Left side view



Models.

T08-VA2.2.K1.BOR-C-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 IIC T6 Gb or Ex d IIB T6 Gb
II 2D Ex tb 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 IIC T6 Gb
Ex tb 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 IIC T6 Gb
Ex tb IIIC T80°C Db IP68
PB Ex d I Mb



Mechanical characteristics

Housing material:

Stainless Steel 1.4404 (AISI 316L)
or optional 1.4301 (AISI 304)
IP 68 (IEC / EN 60529)
T08-VA2.2.K1: 5500g

Protection level:
Weight:



Range of temperature

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

-10°C to +50°C
-30°C to +50°C
-60°C to +50°C



Electrical characteristics

Power supply:
Maximum Power without heating (PoE):

PoE, IEEE 802.3af/802.3at type 1 Class 3
Max. 6.8 W (typical: 3.6 W)

Connection cable

Outside diameter:
Twisted pair structure (data):
Other features:

9.8 ± 0.2 mm
4 x 2 x AWG22/1 CAT.6a



Lens

Type:
Horizontal angle of view:
Minimum illumination:

Varifocal 2.8 - 8 mm, F 1.3 (other DC-CS-iris lenses are also supported)
109° - 40° (other angles depending on lens)
Colour: 0.11 lux, B/W: 0.01 lux, F1.3



Camera

Image sensor:
Shutter time:
Video compression:
Resolutions:
Frame rate:
Pan/Tilt/Zoom:
Video streaming:

Progressive scan RGB CMOS 1/2.8"
1/66500 s to 2 s
H.264 (MPEG-4 Part 10/AVC), Motion JPEG
1920 x 1080 (approx. 2 megapixel) to 160 x 90
Rated frequency 50 Hz: Up to 50 fps, Rated frequency 60 Hz: Up to 60 fps
Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)
Multiple, individually configurable streams in H.264 and Motion JPEG
Controllable frame rate and bandwidth VBR/CBR H.264



Image settings:

Compression, color, brightness, sharpness, contrast, white balance, exposure control and zones, backlight compensation, WDR-Forensic Capture: Up to 120 dB depending on scene, fine tuning of behavior at low light, rotation: 0°, 90°, 180°, 270° incl. corridor format, text/image overlay, privacy mask, mirroring of image
SD card slot supporting microSD/microSDHC/microSDXC cards (card not included)
Support for recording to network share (network-attached storage or file server)

Edge storage:



Network

Security:
Supported protocols:
Application Programming Interface:
Intelligent video:
Alarm triggers / alarm events:

Password protection, IP address filtering, HTTPS* encryption, digest authentication, IEEE 802.1X* network access control user access log
IPv4/v6, HTTP, HTTPS*, SSL/TLS*, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
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, specification at www.onvif.org
Video motion detection, active tampering alarm
Intelligent video, external input, Edge storage events, file upload via FTP, HTTP, network share, and email notification:
Email, HTTP and TCP, external output activation, video recording to edge storage, pre- and post-alarm video buffering
PTZ preset, overlay text, send SNMP trap



Modell with titanium screws,
canopy, and wall bracket