ExCam® IP1354

Datasheet.

Features.

ExCam IP1354 - Max. resolution: 1280 x 960 (1.3 megapixels) + Lightfinder Technology
With the ExCam IP1354, Samcon offer a compact, explosion-proof stainless steel case with an integrated IP camera. The ExCam IP1354 is equipped with all features to be found in a modern IP cameras such as HDTV or megapixel resolution, remote configuration, event management, intelligent video and tampering alarm. It allows the easy sta-rage of video data and „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 IP1354 can be equipped with different lenses and thus 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 IP1354 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 + 60 ° 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 designed for an integration into control systems and the (ex) Connection Rail-series, it is as easy as „Plug & Play" to integrate the ExCam IPQ1755 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.
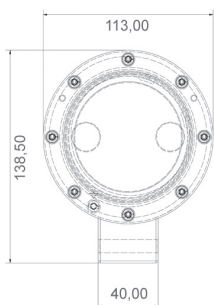
Zones.

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

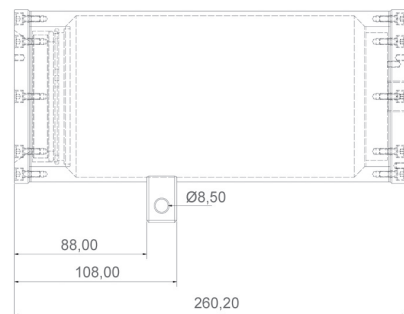| Group II (Gas & Dust)	ATEX / IECEx				
Zone	0	1	2	21	22
For use in	✗	✓	✓	✓	✓

More certificates on request
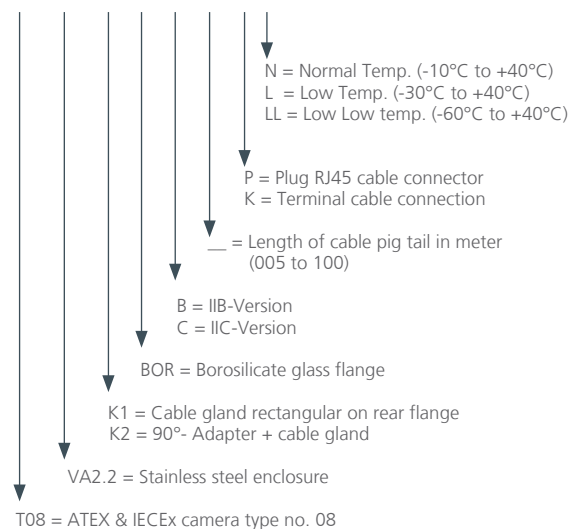
Dimensions.

T03-VA2.2 .X.X Front view

Left side view

Models.

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

N = Normal Temp. (-10°C to +40°C)
L = Low Temp. (-30°C to +40°C)
LL = Low Low temp. (-60°C to +40°C)

P = Plug RJ45 cable connector
K = Terminal cable connection

__ = Length of cable pig tail in meter (005 to 100)

B = IIB-Version
C = IIC-Version

BOR = Borosilicate glass flange

K1 = Cable gland rectangular on rear flange
K2 = 90°- Adapter + cable gland

VA2.2 = Stainless steel enclosure

T08 = ATEX & IECEx camera type no. 08

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ExCam®IP1354

Explosion protection
Declaration of conformity: DIN EN 60079-0:2012, DIN EN 60079-1:2007
DIN EN 60079-31:2009

Marking acc. to ATEX directive 94/9/EG: TUEV-14-ATEX-7539X
Explosion protection (gas): Ⓔ II 2G Ex d IIC T6 Gb or Ex d IIB T6 Gb
Explosion protection (dust): Ⓔ II 2D Ex t IIIC T80°C Db IP68
Mines susceptible to firedamp: Ⓔ I M2 Ex d I Mb

Marking according to IECEx: IECEx-TUR-14.0026X
Explosion protection (gas): Ex d IIC T6 Gb
Explosion protection (dust): Ex t IIIC T80°C Db IP68
Mines susceptible to firedamp: Ex d I Mb

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Mechanichal characteristics
Housing material: Stainless Steel 1.4301 (AISI 304) or optional
Stainless Steel 1.4401 / 1.4404 (AISI 316 / 316L)
Protection level: IP 68 (IEC / EN 60529)
Weight: T08-VA2.2-K1: 6600g
T08-VA2.2-K2: 7300g

Range of temperature
T08-VA2.2.X.BOR-X-XXX-X-N: -10°C to +40°C
T08-VA2.2.X-BOR-X-XXX-X-L: -30°C to +40°C
T08-VA2.2.X-BOR-X-XXX-X-LL: -60°C to +40°C

Electrical characteristics
Power supply: PoE, IEEE 802.3af Class 3
Reference power: 48 VDC
Maximum Power (PoE) (without heating): Max. 7.2 W

Connection cable
Outside diameter: 8.7 ±0.3 mm
Bending radius: 100 mm
Twisted pair structure (data): 4 x 2 x AWG22/1 CAT.6a
Other features: UV resistant and flame retardant
(see www.samcon.eu; datasheet SKD01)
Low temperature models (*-L & *-LL)
require an additional power line .Please refer to the manual.

Lens
Type: Varifocal 2.8 - 8 mm, F 1.2
(other DC-CS iris lenses are also supported)
Horizontal angle of view: 100° - 34° (other angles depending on lens)
Minimum illumination: Colour: 0.1 lux, B/W: 0.02 lux, F1.2

Camera
Image sensor: Progressive scan RGB CMOS 1/3"
Shutter time: Rated frecquency 50 Hz: 1/24500 s to 2 s
Rated frecquency 60 Hz: 1/29500 s to 2 s
Video compression: H.264 (MPEG-4 Part 10/AVC), Motion JPEG
Resolutions: 1280 x 960 (approx. 1.3 MP) to 160 x 90
Frame rate H.264 / Motion JPEG: Rated frecquency 50 Hz: 25 fps
Rated frecquency 60 Hz: 30 fps

Pan/Tilt/Zoom: Digital PTZ, preset positions, guard tour

Video streaming: Multiple, individually configurable streams in H.264 and Motion JPEG
Controllable frame rate and bandwidth VBR/CBR H.264

Image settings: Compression, colour, brightness, sharpness, contrast, white balance, exposure control, exposure zones,
backlight compensation, fine tuning of behavior at low light, rotation, text and image overlay, privacy mask,
mirroring of images, WDR-dynamic contrast

Edge storage: SD/SDHC memory card slot, supporting memory card up 64MB (card not included)
Support for recording to network share (network-attached storage or file server)

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, RTCP, ICMP, DHCP, ARP, SOCKS

Application Programming Interface: Open API for software integration, including supporting the ONVIF S specification available at
www.onvif.org, as well as VAPIX® from Axis Communications, specifications available at www.axis.com

Intelligent video: Video motion detection, active tampering alarm
Alarm triggers: Intelligent video
Alarm events: File upload via FTP, HTTP and email notification via email, HTTP and TCP
Video recording to edge storage

Modell with titanium screws, canopy and wall bracket