

ExCam[®] e.Vario



Datasheet.

Ultra compact ATEX, IECEx, INMETRO & EAC-Ex certified Day/Night Camera

Feature-Highlights.

- ✓ Broad Certification Landscape for Hazardous Areas (ATEX, IECEx, INMETRO, EAC-Ex and more)
- ✓ Day & Night Functionality
- ✓ Auto IR-Cut Filter
- ✓ Motorized Varifocal Lens (Remote Zoom)
- ✓ High Light Sensitivity 0.015 lx (sens-up x30) / F 1.3
- ✓ 1/2,8" Megapixel CMOS Sensor

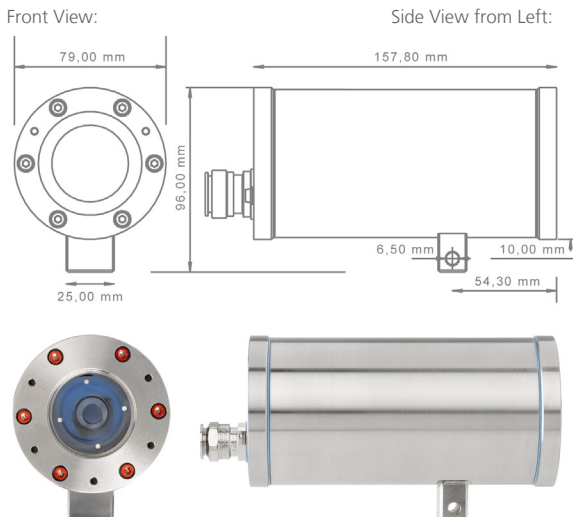
Zones*.

Group I (Mining)	ATEX / IECEx / ...		Group II (Gas & Dust)	ATEX / IECEx / ...				
Category	Ma	Mb	Zone	0	1	2	21	22
Suitable	✗	✗	Suitable	✗	✓	✓	✓	✓

*further certificates: see www.samcon.eu.

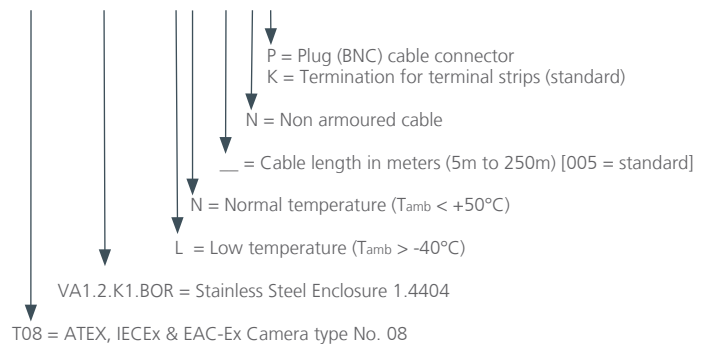
Dimension.

T08-VA1.2.K1.BOR



T08-Modelle.

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



Data.



Explosion protection

Declaration of conformity:

DIN EN/IEC/GOST... 60079-0, DIN EN/IEC/GOST... 60079-1,
DIN EN/IEC/GOST... 60079-7, DIN EN/IEC/GOST... 60079-31
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- Certificates:



Ex- Marking Camera:

II 2G Ex db IIC T6 Gb



Explosion protection (gas):

II 2D Ex tb IIIC T80°C Db

Explosion protection (dust):



Mechanical characteristics

Housing material:

Stainless Steel 1.4404

Protection level:

IP66/68

Weight:

T08-VA1.2.K1.BOR...: 2840 g



Range of temperature

-40°C to +50°C



Electrical characteristics

Power supply:

+14VDC to +30VDC

Input current:

120mA to 220mA

Max. Power:

2.64W



System cable SKA02

Outside diameter:

9.4mm

Bending radius:

Min. 150mm

Video:

1x75Ω Koax AWG 24, Cu shield

Power supply camera:

2x0.75mm²



Camera

Image sensor:

1/2.8" 2.1 Megapixel CMOS Sensor

Lens:

Motorized Zoom lens (2.7~12mm F=1.3)

Horizontal angle of view:

65° - 31.2°

Minimum illumination:

0.5 lx (colour); 0.1 lx (B/W), F 1.3; 0.015 lx (sens-up x30)

Shutter time:

PAL(1/25s - 1/50000s); NTSC(1/30s - 1/50000s)

Resolution / Quality:

1080p (1920 x 1080) 25fps/30fps

Signal-to-noise ratio:

≥50 dB

Signals:

AHD (standard) / TVI / CVI (1920x1080) (16:9)

FBAS 16:9 (4:3 [possible with extra accessories]) **



Electronic functions

Electronic shutter, White balance [ATW/ AWC-Set/ Indoor/ Outdoor/ Manual/ AWB],

Backlight Compensation [WDR/ BLC/ HSBLCL], Defect Pixel Korrektur (DPC) [Live DPC/ White DPC/ Black DPC],

Automatic Gain Control (AGC) [1 ~ 15 Step], Digital Noise Reduction (DNR) [2DNR/3DNR], Defog function,

Motion Detection (4 zone selectable), Privacy Masking (4 zone selectable),

Protocol (AHD:A-CP/ TVI: HIKVISION-C/ CVI: HD-CVI)

Optional Equipment

AHD/TVI/CVI/FBAS/ to HDMI/VGA/FBAS Video-Converter (also for non-HD capable monitors),

RS-485 control panel for OSD-Controlling (for zoom and focus adjustment)

** = requires additional accessories