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 / ...	
Category	Ma	Mb
Suitable	✗	✗

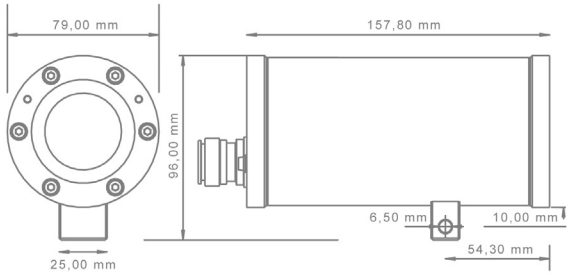
Group II (Gas & Dust)	ATEX / IECEx / ...				
Zone	0	1	2	21	22
Suitable	✗	✓	✓	✓	✓

*further certificates: see www.samcon.eu.

Dimension.

T08-VA1.2.K1.BOR

Front View: Side View from Left:



T08-Modelle.

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

- P = Plug (BNC) cable connector
  K = Termination for terminal strips (standard)
- N = Non armoured cable
- ___ = Cable length in meters (5m to 250m) [005 = standard]
- N = Normal temperature (T_{amb} < +50°C)
- L = Low temperature (T_{amb} > -40°C)
- VA1.2.K1.BOR = Stainless Steel Enclosure 1.4404
- T08 = ATEX, IECEx & EAC-Ex Camera type No. 08

Data.

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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
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, PESO: A/P/HQ/KA/104/5735, IA No.: MASC MS/18-3256X
Ex- Marking Camera:	
Explosion protection (gas):	II 2G Ex db IIC T6 Gb
Explosion protection (dust):	II 2D Ex tb IIIC T80°C Db

Mechanichal 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/ HSBLC], Defect Pixel Correktur (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-Controling (for zoom and focus adjustment)

** = requires additional accessories

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