

ExCam[®] miniTube



Datasheet

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

Feature-Highlights.

- ✓ ATEX, IECEx & EAC-Ex certified
- ✓ Day & Night Functionality
- ✓ Wide Dynamic Range (WDR)
- ✓ High Light Sensitivity 0,01 lx
- ✓ High Resolution 1920x1080 (Full HD)
- ✓ 1/2,9" 2.0Megapixel CMOS Sensor
- ✓ Protection Level IP66/68

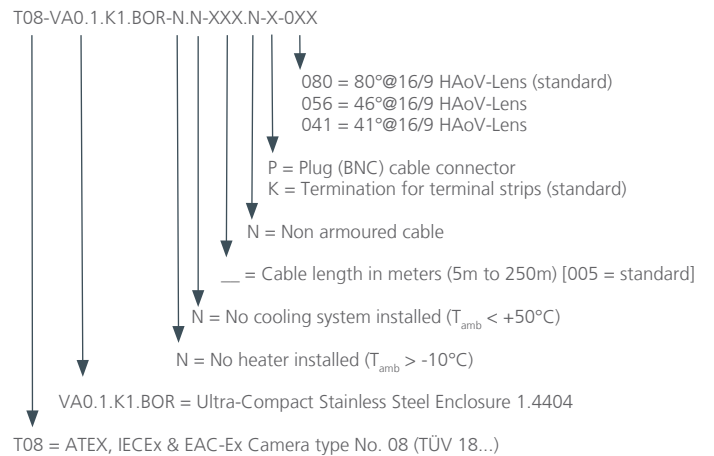


Zones.

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

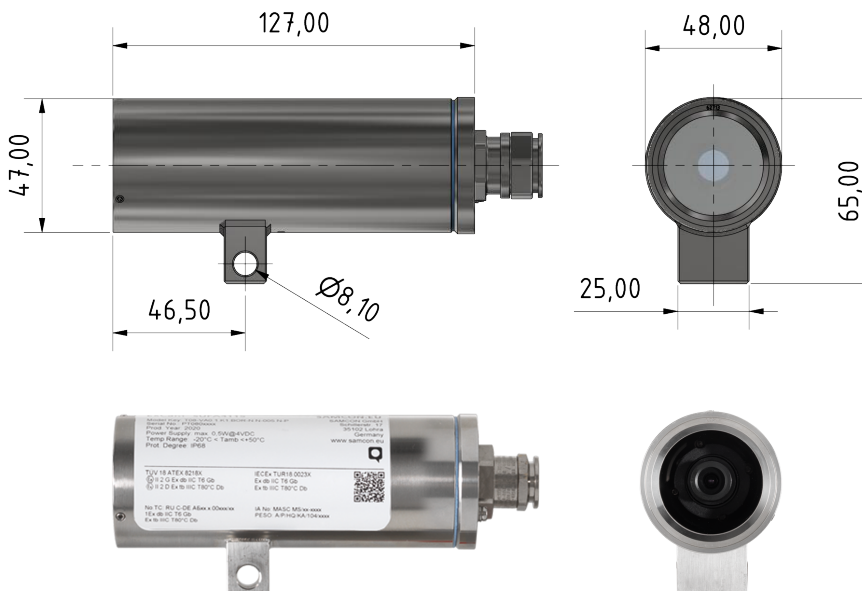
further certificates upon request

T08-Models.



Dimension.

T08-VA0.1.K1.BOR



Data.



Explosion protection

Declaration of conformity:

DIN EN/IEC 60079-0, DIN EN/IEC 60079-1,
DIN EN/IEC 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:

Explosion protection (gas):

II 2G Ex db IIC T6 Gb

Explosion protection (dust):

II 2D Ex tb IIIC T80°C Db

Explosion protection (mining):

I M2 Ex db I Mb



Mechanical characteristics

Housing material:

Stainless Steel 1.4404

Protection level:

IP66/68 (IEC/EN)

Weight:

0.6 kg



Range of temperature

-10°C to +50°C



Electrical characteristics

Power supply:

12VDC \pm 0.3 VDC

Typical Power Consumption:

1.2W



System cable SKA02

Outside diameter:

9.4mm

Bending radius:

Min. 150mm

Video:

1x75 Ω Koax AWG 24, Cu shield

Power supply camera:

2x0.75mm²



Camera

Sensor:

1/2,9" 2.0 Megapixel CMOS Sensor

Lens:

Fixed focal length 3.6mm (standard lens)

Horizontal angle of view:

80° (HD, 16/9 standard), optional 56° or 41°

Minimum Object Distance:

35 cm

Minimum illumination:

0.01 lx

Shutter settings:

AUTO 1/25s - 1/10000s;

Resolution / Quality:

1080p (1920 x 1080)

Signal-to-noise ratio:

\geq 52 dB

Signals:

AHD @ 2MP, Composite CVBS 16:9 (4:3 [possible with extra accessories]) *



Electronic functions

Electronic Shutter

Automatic Gain Control (ACG)

Backlight Compensation (WDR)

Digital Noise Reduction (DNR)

White Balance, Exposure

Optional Equipment

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

4-Channel-Ethernet-Video-server, Wall Mount Bracket, Terminal Box, ...

* requires additional accessories