

RoughCam® niteZoom



Ultra Compact Day/Night Motor Zoom Camera

Feature-Highlights.

- ✓ Day & Night (IRC) Functionality
- ✓ Dynamic and Modular
- ✓ PTC-Heater-Concept (-60°C)
- ✓ One-Cable-Solution
- ✓ 10 x Zoom, Autofocus & Autoiris
- ✓ Extreme Light-Sensitive
0,0004Lx (Auto ICR On)
- ✓ Ultra Compact Design
- ✓ On-Site Control via.
direct.Control - Option
- ✓ 1/3" Super HAD™ CCD Sensor

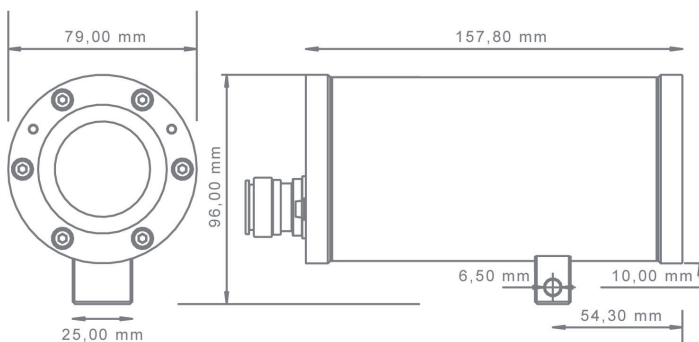


Dimension.

T10-VA1.2.X.X

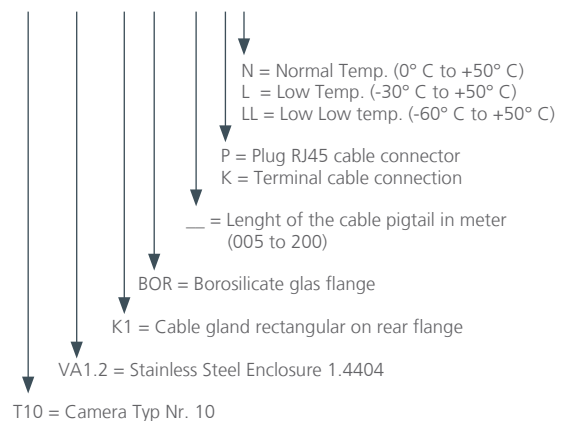
Front view:

View from the left side:



Models.

T10-VA.1.2.K1.BOR-XXX-X-X



Options.

- direct.Control = Direct control of the camera by using dry contacts
- NTSC = NTSC version of the ToughCam niteZoom

Datasheet.

RoughCam® niteZoom

IP68

Mechanical characteristics

Housing material:
Protection level:
Weight:

Stainless Steel 1.4404 (AISI 316L) or optional Stainless Steel 1.4401 / 1.4301
IP 68 (IEC / EN 60529)
T10-VA1.2.K1.BOR...: 2200 g



Range of temperature

T10-VA1.2.K1.BOR-XXX-X-N:
T10-VA1.2.K1.BOR-XXX-X-L:
T10-VA1.2.K1.BOR-XXX-X-LL:

0°C to +50°C
-30°C to +50°C
-60°C to +50°C



Electrical characteristics

Camera:
Power supply:
Reference power:
Input current:
Max. Power:
Heating:
Power supply:
Input current:
Max. power:

+12VDC to +30VDC
+24VDC
270mA to 540mA
6.5W

+12VDC to +24VDC
ab. 2000mA@24VDC
ab. 10W@-30°C, ab. 20W@-60°C

System cable*

Outside diameter:
Bending radius:
Video:
RS 422:
Power supply camera:
Power supply heating:

9.4mm
Min. 150mm
1x75Ω Koax AWG 24, Cu shield
2x2x0.25mm² closed Cu shield
2x0.75mm²
2x0.75mm²

*Attention: For *-LL models (-60°C) as well as for the
„direct.Control“ option an alternative Cable has to be used.
Find a datasheet @ www.samcon.eu



Camera sensor

Sensor:
Effective sensor resolution:
Horizontal resolution:

1/3-type Super HAD CCD II
PAL: 440,000 Pixel (ca. 752 x 582), NTSC: 380,000 Pixel (ca. 768 x 494)
PAL: 530 TV lines wide end, NTSC: 530 TV lines wide end



Lens

AF-Zoom objektiv:
Focal (f):
Angle of view:
Iris:
Minimal illumination:
Recommended illumination:
Minimal object distance:

10 x opt. / 4 x dig.
5.1mm to 51.0mm
52° (wide) to 5.4° (tele)
F1.8 to F2.1
1/4 s, 1/3 s mode & ICR on: 0.0004 lx
0.25 to 100.000Lx
150mm (wide)
800mm (tele)

Electronic functions

Electronic shutter, Serial control by VISCA/RS-422
Composite (CVBS) video output 1Vs, Backlight compensation (BLC)
IR Cut Filter (IRC), Auto white balance
Aperture control (APC), DSP
Signal-to-noise ratio: ≥50 dB



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