



GIG VISION **GEN<i>i>CAM**



sensor information

sensor	ON Semiconductor PYTHON1300
resolution	1280 × 1024 px
exposure time	0,02 ... 1000 ms
pixel size	4.8 × 4.8 μm
shutter type	Global shutter
sensor type	1/2" CMOS

acquisition formats

image formats, interface	Full Frame, 1280 × 1024 px, max. 94 fps
frame rate max.	Binning 2×2, 640 × 512 px, max. 148 fps Binning 2×1, 640 × 1024 px, max. 148 fps Binning 1×2, 1280 × 512 px, max. 148 fps

image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 1280 × 1024 px, max. 148 fps
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pixel formats	Mono8 Mono10
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image preprocessing

analog controls	Gain (0 ... 18 dB) Offset (0 ... 63 LSB 10 Bit)
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color models	Mono
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interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Fast Ethernet, Transfer rate 100 Mbits/sec, Connector: M12 / 8 pol x-coded, screwable type
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process interface	M12 / 12 pins a-coded (SACC-CI-M12MS-12CON-L180)
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power supply	via M12/12 pins a-coded or PoE
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mechanical data

lens mount	C-mount
width	40 mm
height	40 mm
depth	51 mm

mechanical data

weight	≤ 137 g
material	aluminum, hard-anodized

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 2,5 W @ 12 VDC and 94 fps approx. 3,0 W @ 48 VDC (PoE) and 94 fps

non-volatile memory

flash memory size	128 kB
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environmental conditions

operating temperature	-40 ... +70 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40 IP 65/67 (with mounted tube and cable) IP 69K (with stainless steel housing accessory)

digital I/Os

lines	4 input lines 4 output lines with pulse width modulation (PWM) (max. 48 V / max. 2,5 A)
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conformity

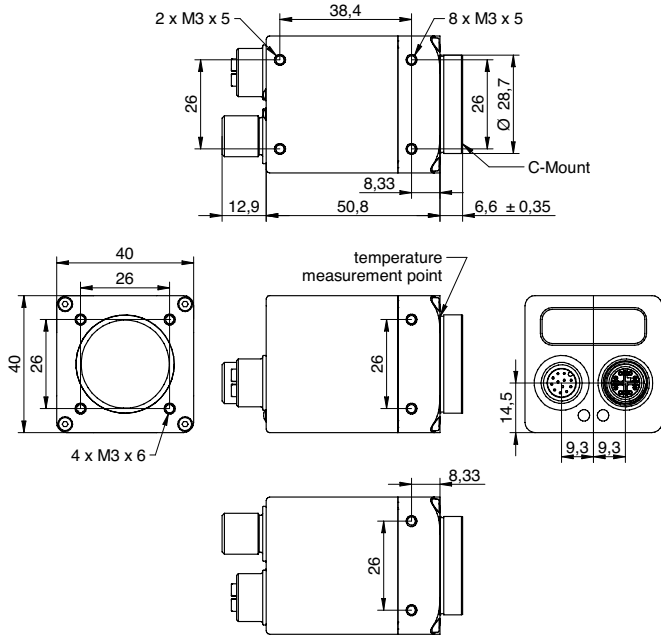
conformity	CE RoHS
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VCXG-13M.I.XT

Gigabit Ethernet, 1,3 Megapixel, Monochrome

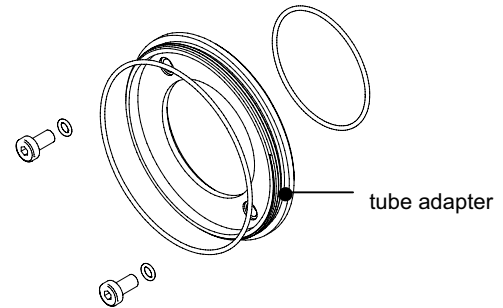
Article number: 11188957

dimension drawing



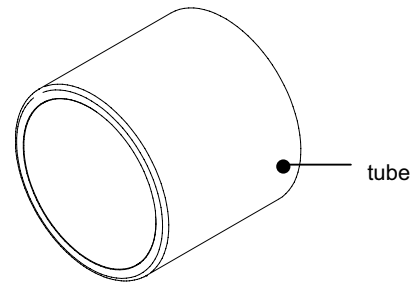
schematic diagram

Optional accessories for protection class IP65/67:



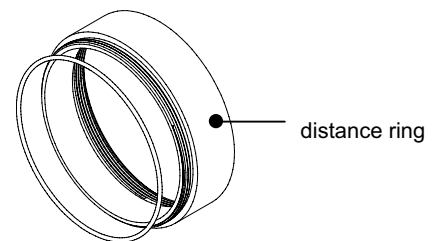
tube adapter

- Ø 49,5 mm, hard-anodized, incl. sealing and screws (VCXG.I 11185373)
- Ø 65 mm, hard-anodized, incl. sealing and screws (VCXG.I 11185377; VLXT 11193125)



tube

- Ø 49,5 mm, length 44 mm, hard-anodized, cover glass PMMA (11185370)
- Ø 65 mm, length 58 mm, hard-anodized, cover glass PMMA (11185374)
- Ø 49,5 mm, length 44 mm, hard-anodized, tempered laminated safety glass (11195425)
- Ø 65 mm, length 58 mm, hard-anodized, tempered laminated safety glass (11195426)



distance ring

- Ø 49,5 mm, length 12 mm, hard-anodized, incl. sealing (11185371)
- Ø 49,5 mm, length 6 mm, hard-anodized, incl. sealing (11185372)
- Ø 65 mm, length 12 mm, hard-anodized, incl. sealing (11185375)
- Ø 65 mm, length 6 mm, hard-anodized, incl. sealing (11185376)
- Ø 65 mm, length 36 mm, hard-anodized, incl. sealing (111988906)