

overview

- 4096 × 2160 px
- Sony IMX255
- 1" CMOS
- 95 fps
- 10 Gigabit Ethernet, Transfer rate 10000 Mbits/sec, Connector: SFP+ cage



GEN*i*CAM



technical data

sensor information

sensor	Sony IMX255
resolution	4096 × 2160 px
exposure time	0,001 ... 60000 ms
pixel size	3.45 × 3.45 µm
shutter type	Global shutter
sensor type	1" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 4096 × 2160 px, max. 95 fps Binning 2×2, 2048 × 1080 px, max. 184 fps Binning 2×1, 2048 × 2160 px, max. 95 fps Binning 1×2, 4096 × 1080 px, max. 95 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 4096 × 2160 px, max. 95 fps
pixel formats	Mono8 Mono10 Mono12 Mono12 Packed

image preprocessing

analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Mono

camera features

synchronization	free running trigger
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camera features

trigger sources	Hardware software ActionCommand
trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
internal image buffer	1024 MB 117 images (Trigger Mode) 1 image (Free Running Mode)

interfaces and connectors

data interface	10 Gigabit Ethernet, Transfer rate 10000 Mbits/sec, Connector: SFP+ cage
process interface	M12 / 12 pins a-coded (SACC-CI-M12MS-12CON-L180)
power supply	via M12/12 pins a-coded

mechanical data

lens mount	C-mount
width	60 mm
height	60 mm
depth	79,6 mm
weight	≤ 415 g
material	aluminum

electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply)
power consumption	approx. 7,5 W

non-volatile memory

flash memory size	128 kB
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technical data

environmental conditions

operating temperature	0 ... +65 ° @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40 IP 54 (with mounted tube and cable) IP 65 (with mounted tube and cable) IP 67 (with mounted tube and cable)

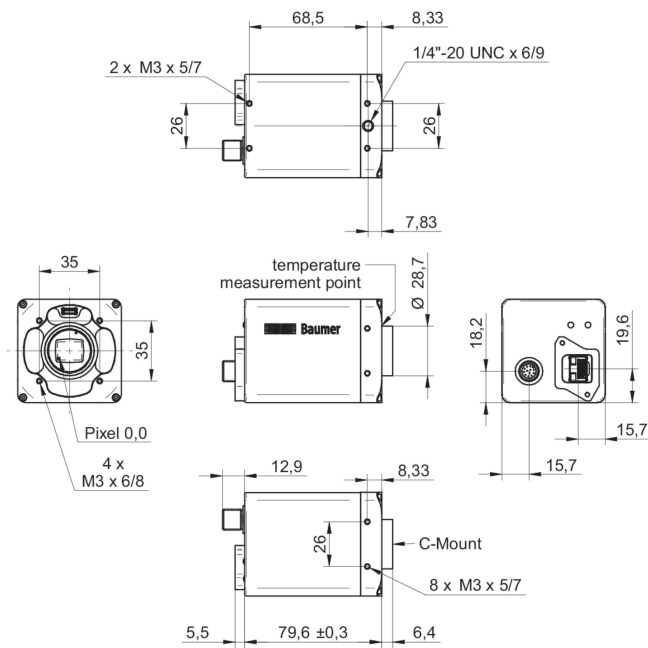
digital I/Os

lines	2 input lines 4 output lines with pulse width modulation (PWM) (max. 48 V / max. 2,5 A) RS232
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conformity

conformity	RoHS
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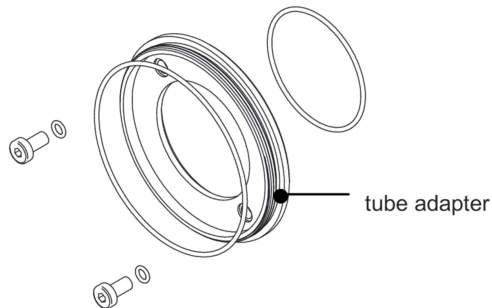
dimension drawing



Principle

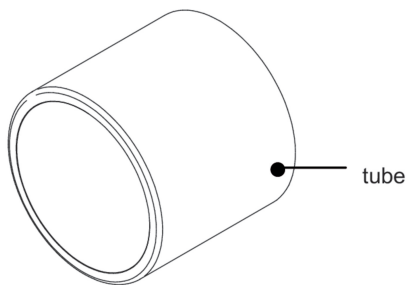
Principle

Optional accessories for protection class IP65/67:



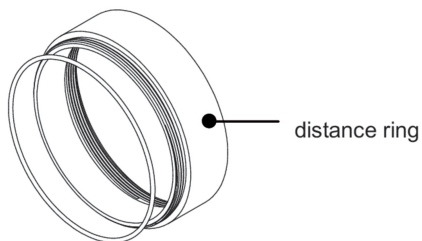
tube adapter

- Ø 49,5 mm, hard-anodized, incl. sealing and screws (CX.I 11185373)
- Ø 65 mm, hard-anodized, incl. sealing and screws (CX.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)