

overview

- 2448 × 2048 px
- Sony IMX264
- 2/3" CMOS
- 24 fps
- Gigabit Ethernet



technical data

sensor information		image preprocessing	
sensor	Sony IMX264	color models	Mono RGB BGR
resolution	2448 × 2048 px		
exposure time	0,001 ... 60000 ms		
pixel size	3.45 × 3.45 μm		
shutter type	Global shutter		
sensor type	2/3" CMOS		
acquisition formats		camera features	
image formats, interface frame rate max.	Full Frame, 2448 × 2048 px, max. 24 fps Binning 2×2, 1224 × 1024 px, max. 35 fps Binning 2×1, 1224 × 2048 px, max. 35 fps Binning 1×2, 2448 × 1024 px, max. 35 fps	synchronization	free running trigger
pixel formats	BayerRG8 BayerRG10 BayerRG12 BayerRG12 Packed Mono8 Mono10 Mono12 Mono12 Packed RGB8 BGR8	trigger sources	Hardware software ActionCommand
		trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
		internal image buffer	115 MB 8 images (Trigger Mode) 1 image (Free Running Mode)
image preprocessing		interfaces and connectors	
analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)	data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Fast Ethernet, Transfer rate 100 Mbits/sec, Connector: M12 / 8 pol x-coded, screwable type
		process interface	M12 / 12 pins a-coded (SACC-CI-M12MS-12CON-L180)
		power supply	via M12/12 pins a-coded or PoE
		mechanical data	
		lens mount	C-mount
		width	40 mm
		height	40 mm
		depth	51 mm
		weight	≤ 137 g

VCXG-51C.I

Gigabit Ethernet, 5,0 Megapixel, Color

Article number: 11186792

technical data

mechanical data

material aluminum, hard-anodized

electrical data

voltage supply range +Vs 12 ... 24 V DC (external power supply)
36 ... 57 V DC (Power over Ethernet)

power consumption approx. 2,5 W @ 12 VDC and 24 fps
approx. 3,0 W @ 48 VDC (PoE) and 24 fps

non-volatile memory

flash memory size 128 kB

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)
IP 69K (with stainless steel housing accessory)

digital I/Os

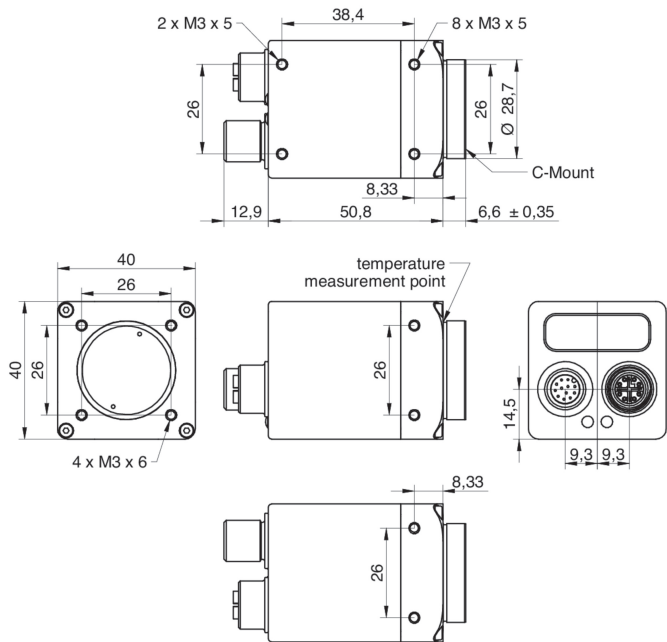
lines 4 input lines
4 output lines with pulse width modulation (PWM) (max. 48 V / max. 2,5 A)

conformity

conformity CE
RoHS
EAC

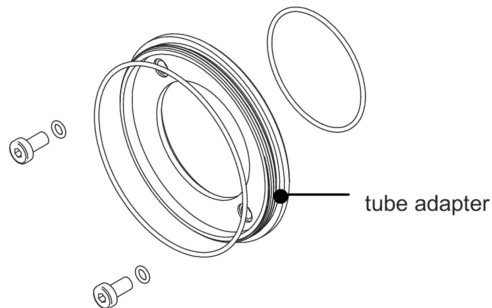
Principle

dimension drawing

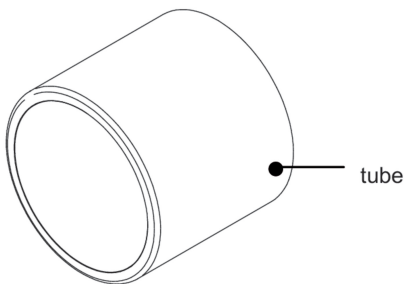


Principle

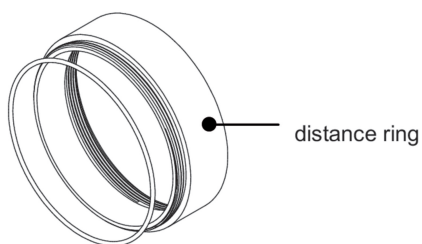
Optional accessories for protection class IP65/67:



- 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)