Baumer
Passion for Sensors

CX series

VCXU-50M

USB 3.0, 5 Megapixel, Monochrome

Article number: 11151564

overview

- 2448 × 2048 px
- Sony IMX250
- 2/3″ CMOS
- 77 fps
- USB 3.0
- available



technical data

sensor information	
sensor	Sony IMX250
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	
image formats, interface frame rate max.	Full Frame, 2448 × 2048 px, max. 77 fps Binning 2×2, 1224 × 1024 px, max. 77 fps Binning 2×1, 1224 × 2048 px, max. 77 fps Binning 1×2, 2448 × 1024 px, max. 77 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
trigger sources	Hardware software

camera features	
trigger delay	0 … 2 sec, tracking and buffering of up to 256 trigger signals
internal image buffer	445 MB 31 images (Trigger Mode) 1 image (Free Running Mode)
interfaces and connectors	
data interface	USB 3.0, Transfer Rate 5000 Mbits/sec, Connector: USB 3.0 Micro B
process interface	M8 / 8 pins (SACC-DSI-M8MS-8CON-M8-L180)
power supply	via USB 3.0 interface
mechanical data	
lens mount	C-mount
width	29 mm
height	29 mm
depth	38 mm
weight	≤ 90 g
material	zinc die casting, nickel-plated, IP 40
electrical data	
power consumption	approx. 3,2 W @ 77 fps
operating voltage	5 VDC (via USB3.0 interface)
non-volatile memory	
flash memory size	128 kB
environmental conditions	
operating temperature	+5 … +65 °C @ T = measurement point
humidity	10 … 90 % (non-condensing)

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protection class	IP 40

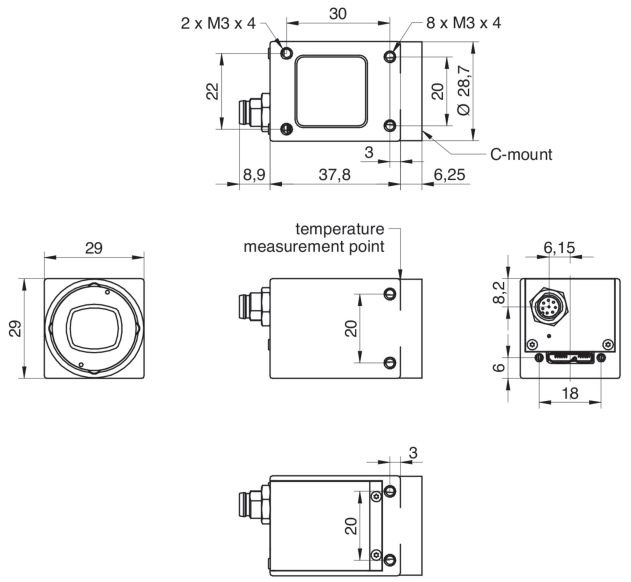
digital I/Os

lines	1 input line 1 output line 2 general purpose lines

conformity

conformity	CE RoHS KC (MISP-REI-BkR-VCXU-50M) EAC

dimension drawing



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