

**overview**

- 2448 × 2048 px
- Sony IMX250MZR
- 2/3" CMOS
- 73 fps
- USB 3.0



**technical data**

sensor information		camera features	
sensor	Sony IMX250MZR	synchronization	free running trigger
resolution	2448 × 2048 px	trigger sources	Hardware software
exposure time	0,001 ... 60000 ms	trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
pixel size	3.45 × 3.45 μm	internal image buffer	445 MB 31 images (Trigger Mode) 1 image (Free Running Mode)
shutter type	Global shutter	interfaces and connectors	
sensor type	2/3" CMOS	data interface	USB 3.0, Transfer Rate 5000 Mbits/sec, Connector: USB 3.0 Micro B
acquisition formats		process interface	M8 / 8 pins (SACC-DSI-M8MS-8CON- M8-L180)
image formats, interface frame rate max.	Full Frame, 2448 × 2048 px, max. 73 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	power supply	via USB 3.0 interface
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 2448 × 2048 px, max. 77 fps	mechanical data	
pixel formats	Mono8 Mono10 Mono12 Mono12 Packed	lens mount	C-mount
image preprocessing		width	29 mm
analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)	height	29 mm
color models	Mono Polarized	depth	38 mm
		weight	≤ 90 g
		material	zinc die casting, nickel-plated, IP 40
		electrical data	
		power consumption	approx. 3,3 W @ 73 fps
		operating voltage	5 VDC (via USB3.0 interface)
		non-volatile memory	
		flash memory size	128 kB

**technical data**

**environmental conditions**

operating temperature	+5 ... +65 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40 (with mounted lens and cable)

**digital I/Os**

lines	1 input line 1 output line 2 general purpose lines
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**conformity**

conformity	CE RoHS
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**dimension drawing**

