

overview

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



technical data

sensor information	
sensor	Sony IMX250MZR
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. 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
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 2448 × 2048 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 Polarized

camera features	
synchronization	free running trigger
trigger sources	Hardware software
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. 3,3 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 EAC
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dimension drawing

