

overview

- 2048 x 1536 px
- Sony IMX252
- 1/1.8" CMOS
- 117 fps
- USB 3.0
- available



technical data

sensor information

sensor	Sony IMX252
resolution	2048 × 1536 px
exposure time	0,001 ... 60000 ms
pixel size	3.45 × 3.45 µm
shutter type	Global shutter
sensor type	1/1.8" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 2048 × 1536 px, max. 117 fps Binning 2×2, 1024 × 768 px, max. 120 fps Binning 2×1, 1024 × 1536 px, max. 120 fps Binning 1×2, 2048 × 768 px, max. 120 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 2048 × 1536 px, max. 120 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	432 MB 48 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, baked varnish (until 02-2020 nickel-chrome-plated), IP 40

electrical data

power consumption	approx. 3,4 W @ 117 fps
operating voltage	5 VDC (via USB3.0 interface)

non-volatile memory

flash memory size	128 kB
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environmental conditions

operating temperature	0 ... +65 ° @ T = measurement point
humidity	10 ... 90 % (non-condensing)

technical data

environmental conditions

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

