

overview

- 1920 × 1200 px
- Sony IMX249
- 1/1.2" CMOS
- 38 fps
- USB 3.0
- available



technical data

sensor information

sensor	Sony IMX249
resolution	1920 × 1200 px
exposure time	0,057 ... 60000 ms
pixel size	5.86 × 5.86 µm
shutter type	Global shutter
sensor type	1/1.2" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 1920 × 1200 px, max. 38 fps Binning 2×2, 960 × 600 px, max. 38 fps Binning 2×1, 960 × 1200 px, max. 38 fps Binning 1×2, 1920 × 600 px, max. 38 fps
pixel formats	BayerRG8 BayerRG12

image preprocessing

analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Raw Bayer

camera features

synchronization	free running trigger
trigger sources	Hardware software
internal image buffer	0MB

interfaces and connectors

data interface	USB 3.0, Transfer Rate 5000 Mbits/sec, Connector: USB 3.0 Micro B
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interfaces and connectors

process interface	M8 / 4 pins (SACC-DSI-M 8MS-4CON-L180)
power supply	via USB 3.0 interface

mechanical data

lens mount	CS-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. 1,5 W @ 38,0 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	+5 ... +65 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

digital I/Os

lines	1 input line 1 output line
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conformity

conformity	CE RoHS EAC
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dimension drawing

VEXU-24C

USB 3.0, 2,3 Megapixel, Color

Article number: 11151568

