

overview

- 2448 × 2048 px
- Sony IMX264
- 2/3" CMOS
- 35 fps
- USB 3.0



technical data

sensor information

sensor	Sony IMX264
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. 35 fps Binning 2×2, 1224 × 1024 px, max. 35 fps Binning 2×1, 1224 × 2048 px, max. 35 fps Binning 1×2, 2448 × 1024 px, max. 35 fps
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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 Mb/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. 2,7 W @ 35,0 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)

VCXU-51M

USB 3.0, 5 Megapixel, Monochrome

Article number: 11164500

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

