



USB³
VISION **GEN*<i>i>*CAM**



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	Full Frame, 2048 × 1536 px, max. 120 fps
frame rate max.	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
pixel formats	Mono8
	Mono10
	Mono12
	Mono12 Packed

image preprocessing

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

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. 2,5 W @ 120 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
	2 general purpose lines

conformity

conformity	CE
	RoHS
	KC (MISP-REI-BkR-VCXU-50M)
	EAC

VCXU-31M

USB 3.0, 3,1 Megapixel, Monochrome

Article number: 11165812

dimension drawing

