



USB³
VISION **GEN*i*CAM**



sensor information

sensor	Sony IMX178
resolution	3072 × 2048 px
exposure time	0,0014 ... 60000 ms
pixel size	2.4 × 2.4 µm
shutter type	Rolling shutter Global reset shutter
sensor type	1/1.8" CMOS

acquisition formats

image formats, interface	Full Frame, 3072 × 2048 px, max. 47 fps
frame rate max.	Binning 2×2, 1536 × 1024 px, max. 43 fps Binning 2×1, 1536 × 2048 px, max. 43 fps Binning 1×2, 3072 × 1024 px, max. 43 fps
image formats, aquisition frame rate max. (Burst Mode)	Full Frame, 3072 × 2048 px, max. 47 fps
pixel formats	Mono8 Mono10 Mono12 Mono12 Packed

image preprocessing

analog controls	Gain (0 ... 26 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

mechanical data

depth	38 mm
weight	≤ 90 g
material	zinc die casting, nickel-plated, IP 40

electrical data

power consumption	approx. 2,9 W @ 47 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
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conformity

conformity	CE RoHS EAC
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VCXU-65M.R

USB 3.0, 6,2 Megapixel, Monochrome

Article number: 11175758

dimension drawing

