



USB³
VISION **GEN*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	BayerRG8 BayerRG10 BayerRG12 BayerRG12 Packed Mono8 Mono10 Mono12 Mono12 Packed RGB8 BGR8
image preprocessing	
analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Mono Raw Bayer RGB
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

mechanical data	
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
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-31C

USB 3.0, 3,1 Megapixel, Color

Article number: 11165813

dimension drawing

