



**USB<sup>TM</sup>**  
VISION **GEN*<i>i>*CAM**



#### sensor information

sensor	Sony IMX290
resolution	1920 × 1080 px
exposure time	0,0015 ... 60000 ms
pixel size	2.9 × 2.9 μm
shutter type	Rolling shutter Global reset shutter
sensor type	1/2" CMOS

#### acquisition formats

image formats, interface	Full Frame, 1920 × 1080 px, max. 138 fps Binning 2×2, 960 × 540 px, max. 138 fps
frame rate max.	Binning 2×1, 960 × 1080 px, max. 138 fps Binning 1×2, 1920 × 540 px, max. 138 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. 2,8 W @ 138 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-22M.R

USB 3.0, 2,1 Megapixel, Monochrome

Article number: 11184370

## dimension drawing

