



USB
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	BayerRG8 BayerRG10 BayerRG12 BayerRG12 Packed Mono8 Mono10 Mono12 Mono12 Packed
image preprocessing	
analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Mono Raw Bayer RGB BGR
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. 2,8 W @ 138 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 EAC

dimension drawing

