



USB
VISION **GEN*i*CAM**



sensor information

sensor	Sony IMX252
type	1/1.8" progressive scan CMOS
resolution	2448 × 2048 px
exposure time	0,026 ... 60000 ms
pixel size	3.45 × 3.45 µm

acquisition formats

image formats, frame rate max.	Full Frame, 2048 × 1536 px, max. 120,0 fps Binning 2×2, 1024 × 768 px, max. 120,0 fps Binning 2×1, 1024 × 1536 px, max. 120,0 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 pre-processing

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-M8FS-8CONM10-L180 SH)
power supply	via USB 3.0 interface

mechanical data

material	zinc die casting, nickel-plated, IP 40
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mechanical data

lens mount	C-mount
width	29 mm
height	29 mm
depth	38 mm
weight	≤ 90 g

electrical data

power consumption	approx. 2,5 W @ 120 fps
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environmental conditions

operating temperature	+5 ... +65 °C
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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VCXU-31C

USB 3.0, 3,1 Megapixel, Color

Article number: 11165813

dimension drawing

