



USB
VISION **GEN*i*CAM**



sensor information

sensor	Sony IMX174
type	1/1.2" progressive scan CMOS
resolution	1920 × 1200 px
exposure time	0,028 ... 60000 ms
pixel size	5.86 × 5.86 µm

acquisition formats

image formats, frame rate max.	Full Frame, 1920 × 1200 px, max. 165,0 fps Binning 2×2, 960 × 600 px, max. 165,0 fps Binning 2×1, 960 × 1200 px, max. 165,0 fps Binning 1×2, 1920 × 600 px, max. 165,0 fps
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pixel formats	BayerRG8 BayerRG10 BayerRG12 BayerRG12 Packed Mono8 Mono10 Mono12 Mono12 Packed RGB8 BGR8
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image pre-processing

analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)
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color models	Mono Raw Bayer RGB
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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. 2,8 W @ 165 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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dimension drawing

