



USB³
VISION **GEN*i*CAM**



sensor information

sensor	ON Semiconductor PYTHON1300
resolution	1280 × 1024 px
exposure time	0,02 ... 1000 ms
pixel size	4.8 × 4.8 μm
shutter type	Global shutter
sensor type	1/2" CMOS

acquisition formats

image formats, interface	Full Frame, 1280 × 1024 px, max. 222 fps
frame rate max.	Binning 2×2, 640 × 512 px, max. 222 fps Binning 2×1, 640 × 1024 px, max. 222 fps Binning 1×2, 1280 × 512 px, max. 222 fps
pixel formats	BayerRG8 BayerRG10 BayerRG12 BayerRG12 Packed Mono8 Mono10 Mono12 Mono12 Packed RGB8 BGR8

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 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
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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. 2,9 W @ 222 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 KC (MSIP-REI-BkR-VCXU13M) EAC
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VCXU-13C

USB 3.0, 1,3 Megapixel, Color

Article number: 11165907

dimension drawing

