



GIG VISION **GEN<i>i>CAM**



sensor information

sensor	ON Semiconductor PYTHON1300
resolution	1280 × 1024 px
exposure time	0,04 ... 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. 61 fps Binning 2×2, 640 × 512 px, max. 61 fps
frame rate max.	Binning 2×1, 640 × 1024 px, max. 61 fps Binning 1×2, 1280 × 512 px, max. 61 fps
pixel formats	BayerRG8 BayerRG10

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
color models	Raw Bayer

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Fast Ethernet, Transfer Rate 100 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 4 pins (SACC-DSI-M 8MS-4CON-L180)
power supply	M8 / 4 pins

mechanical data

lens mount	CS-mount
width	29 mm
height	29 mm
depth	49 mm
weight	≤ 120 g
material	zinc die casting, nickel-plated, IP 40

electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply)
power consumption	approx. 2,2 W @ 12 VDC and 61 fps

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
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conformity

conformity	CE RoHS EAC
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VEXG-13C

Gigabit Ethernet, 1,3 Megapixel, Color

Article number: 11151560

dimension drawing

