



sensor information

sensor	ON Semiconductor PYTHON300
resolution	640 × 480 px
exposure time	0,04 ... 1000 ms
pixel size	4.8 × 4.8 μm
shutter type	Global shutter
sensor type	1/4" CMOS

acquisition formats

image formats, interface	Full Frame, 640 × 480 px, max. 217 fps Binning 2×2, 320 × 240 px, max. 217 fps
frame rate max.	Binning 2×1, 320 × 480 px, max. 217 fps Binning 1×2, 640 × 240 px, max. 217 fps
pixel formats	Mono8 Mono10

image preprocessing

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

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 217 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-02M

Gigabit Ethernet, 1,3 Megapixel, Monochrome

Article number: 11151557

dimension drawing

