



GEN<I>CAM



sensor information

sensor	ON Semiconductor PYTHON300
type	1/4" progressive scan CMOS
resolution	640 × 480 px
exposure time	0,02 ... 1000 ms
pixel size	4.8 × 4.8 µm

acquisition formats

image formats, frame rate max.	Full Frame, 640 × 480 px, max. 403,0 fps Binning 2×2, 320 × 240 px, max. 595,0 fps Binning 2×1, 320 × 480 px, max. 595,0 fps Binning 1×2, 640 × 240 px, max. 595,0 fps
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pixel formats	BayerRG8 BayerRG10 Mono8 Mono10 RGB8 BGR8
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image pre-processing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
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color models	Mono Raw Bayer RGB
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interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mb/s/sec, Fast Ethernet, Transfer Rate 100 Mb/s/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 8 pins (SACC-DSI-M8FS-8CONM10-L180 SH)
power supply	M8 / 8 pins or PoE

mechanical data

material	zinc die casting, nickel-plated, IP 40
lens mount	C-mount
width	29 mm

mechanical data

height	29 mm
depth	49 mm
weight	≤ 120 g

electrical data

power consumption	approx. 2,6 W @ 12 VDC and 403,0 fps approx. 3,2 W @ 48 VDC (PoE) and 403,0 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

