



### sensor information

sensor	ON Semiconductor PYTHON5000
type	1" progressive scan CMOS
resolution	2592 × 2048 px
exposure time	0,02 ... 1000 ms
pixel size	4.8 × 4.8 μm

### acquisition formats

image formats, frame rate max.	Full Frame, 2592 × 2048 px, max. 23,5 fps Binning 2×2, 1296 × 1024 px, max. 28,0 fps Binning 2×1, 1296 × 2048 px, max. 28,0 fps Binning 1×2, 2592 × 1024 px, max. 28,0 fps
--------------------------------	---

pixel formats	BayerRG8 BayerRG10 Mono8 Mono10 RGB8 BGR8
---------------	--

### image pre-processing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
-----------------	--

color models	Mono Raw Bayer RGB
--------------	--------------------------

### 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 / 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. 2,8 W @ 12 VDC (PoE) and 23,5 fps approx. 3,7 W @ 48 VDC (PoE) and 23,5 fps
-------------------	--

### 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
-------	--

### dimension drawing

