



sensor information

sensor	ON Semiconductor PYTHON1300
type	1/2" progressive scan CMOS
resolution	1280 × 1024 px
exposure time	0,04 ... 1000 ms
pixel size	4.8 × 4.8 μm

acquisition formats

image formats, frame rate max.	Full Frame, 1280 × 1024 px, max. 61,0 fps Binning 2×2, 640 × 512 px, max. 61,0 fps Binning 2×1, 640 × 1024 px, max. 61,0 fps Binning 1×2, 1280 × 512 px, max. 61,0 fps
--------------------------------	---

pixel formats	Mono8 Mono10
---------------	-----------------

image pre-processing

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

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

electrical data

power consumption	approx. 2,2 W @ 12 VDC and 61 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
-------	-------------------------------

dimension drawing

