



#### sensor information

sensor	ON Semiconductor PYTHON 25K
resolution	5120 × 5120 px
exposure time	0,03 ... 1000 ms
color filter	RGB Bayer Mosaic
pixel size	4.5 × 4.5 μm
shutter type	Global shutter
sensor type	APS-H CMOS

#### acquisition formats

image formats, interface	Full Frame, 5120 × 5120 px, max. 32 fps
frame rate max.	
pixel formats	BayerGB8 BayerGB10

#### image preprocessing

analog controls	Gain (0 ... 23,5 dB) Offset (0 ... 63 LSB 10 Bit)
color models	Raw Bayer
color processing	NA

#### interfaces and connectors

data interface	Camera Link® Full, connector: 2 x Standard SDR26 (Mini CL)
process interface	M8 / 8 pins
power supply	M8 / 8 pins

#### mechanical data

lens mount	M58-mount (F-mount, M42, C-mount via adapter)
width	60 mm
height	60 mm
depth	50,02 mm
weight	≤ 235 g (M58-mount)
material	housing: aluminum

#### electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	38 ... 57 V (PoCL)
power consumption	approx. 7,8 W @ 24 VDC approx. 7,8 W @ 12 VDC (PoCL)

#### non-volatile memory

flash memory size	128 kB
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#### environmental conditions

operating temperature	+5 ... +66 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

#### conformity

conformity	CE RoHS EAC
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**dimension drawing**

