



sensor information

sensor	ON Semiconductor PYTHON 25K
type	APS-H progressive scan CMOS, global shutter
resolution	5120 × 5120 px
exposure time	0,03 ... 1000 ms
pixel size	4.5 × 4.5 µm

acquisition formats

image formats, frame rate max.	Full Frame, 5120 × 5120 px, max. 32,0 fps Binning 2×2, 2560 × 2560 px, max. 32,0 fps Binning 1×2, 5120 × 2560 px, max. 32,0 fps Binning 2×1, 2560 × 5120 px, max. 32,0 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	Camera Link® Full, connector: 2 x Standard SDR26 (Mini CL)
process interface	M8 / 8 pins
power supply	M8 / 8 pins

mechanical data

material	housing: aluminum
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)

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	38 ... 57 V (PoCL)

electrical data

power consumption	approx. 7,8 W @ 24 VDC approx. 7,8 W @ 12 VDC (PoCL)
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non-volatile memory

flash memory size	32 Mbit
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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
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LXC-250M

Camera Link®, 25 Megapixel, Monochrome

Article number: 11162825

dimension drawing

