

overview

- 5120 × 5120 px
- ON Semiconductor PYTHON 25K
- APS-H CMOS
- 32 fps
- Camera Link® Full
- available



technical data

sensor information

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

acquisition formats

image formats, interface frame rate max.	Full Frame, 5120 × 5120 px, max. 32 fps Binning 2×2, 2560 × 2560 px, max. 32 fps Binning 1×2, 5120 × 2560 px, max. 32 fps Binning 2×1, 2560 × 5120 px, max. 32 fps
pixel formats	Mono8 Mono10

image preprocessing

analog controls	Gain (0 ... 23,5 dB) Offset (0 ... 63 LSB 10 Bit)
color models	Mono

camera features

synchronization	free running trigger
trigger sources	Hardware software ActionCommand
trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals

camera features

sequencer	Automated control for series of images using different sets of parameters
sequencer parameter	exposure time gain factor output ROI Offset x ROI Offset y
digital inputs	1 input line
digital outputs	1 output line
internal image buffer	512 MB

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	45,12 mm
weight	≤ 235 g (M58-mount)
material	housing: aluminum

electrical data

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

electrical data

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
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environmental conditions

humidity	10 ... 90 % (non-condensing)
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protection class	IP 40
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conformity

conformity CE
RoHS
EAC

dimension drawing

