

overview

- 5120 × 5120 px
- ON Semiconductor PYTHON 25K
- APS-H CMOS
- 9 fps
- Dual Gigabit Ethernet
- available



technical data

sensor information		camera features	
sensor	ON Semiconductor PYTHON 25K	trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
resolution	5120 × 5120 px	sequencer	Automated control for series of images using different sets of parameters
exposure time	0,03 ... 1000 ms	sequencer parameter	exposure time gain factor output ROI Offset x ROI Offset y
pixel size	4.5 × 4.5 µm	digital inputs	1 input line
shutter type	Global shutter	digital outputs	3 output lines
sensor type	APS-H CMOS	internal image buffer	512 MB
acquisition formats		interfaces and connectors	
image formats, interface	Full Frame, 5120 × 5120 px, max. 9 fps	data interface	Dual Gigabit Ethernet, Transfer rate 2000 Mb/s/sec, Connector: 2 x 8P8C Modular Jack (RJ45), screwable type
frame rate max.	Binning 2×2, 2560 × 2560 px, max. 9 fps Binning 1×2, 5120 × 2560 px, max. 9 fps Binning 2×1, 2560 × 5120 px, max. 9 fps		
image formats, acquisition	Full Frame, 5120 × 5120 px, max. 32 fps		
frame rate max. (Burst Mode)		process interface	M8 / 8 pins
pixel formats	Mono8 Mono10 Mono10 Packed	power supply	M8 / 8 pins
image preprocessing		mechanical data	
analog controls	Gain (0 ... 23,5 dB) Offset (0 ... 63 LSB 10 Bit)	lens mount	M58-mount (F-mount, M42, C-mount via adapter)
color models	Mono	width	60 mm
camera features		height	60 mm
synchronization	free running trigger	depth	56,32 mm
trigger sources	Hardware software ActionCommand	weight	≤ 320 g (M58-mount)
		material	housing: aluminum

LXG-250M

Dual GigE, 25 Megapixel, Monochrome

Article number: 11150444

technical data

electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 5,4 W @ 24 VDC (sequential readout) approx. 7,6 W @ 48 VDC (PoE, sequential readout)

non-volatile memory

flash memory size	128 kB
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environmental conditions

operating temperature	+5 ... +68 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

conformity

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dimension drawing

