



GIG VISION **GEN<i>i>CAM**



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	Full Frame, 5120 × 5120 px, max. 9 fps
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)	
pixel formats	Mono8 Mono10 Mono10 Packed

image preprocessing

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

data interface	Dual Gigabit Ethernet, Transfer rate 2000 Mbits/sec, Connector: 2 x 8P8C Modular Jack (RJ45), screwable type
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	56,32 mm

mechanical data

weight	≤ 320 g (M58-mount)
material	housing: aluminum

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	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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LXG-250M

Dual GigE, 25 Megapixel, Monochrome

Article number: 11150444

dimension drawing

