



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



#### 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,	Full Frame, 5120 × 5120 px, max. 9 fps
interface	Binning 2×2, 2560 × 2560 px, max. 9 fps
frame rate max.	Binning 1×2, 5120 × 2560 px, max. 9 fps
	Binning 2×1, 2560 × 5120 px, max. 9 fps

image formats,	Full Frame, 5120 × 5120 px, max. 32 fps
acquisition	
frame rate max.	
(Burst Mode)	

pixel formats	BayerGB8 BayerGB12 BayerGB12 Packed
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#### 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	Dual Gigabit Ethernet, Transfer rate 2000 Mb/s/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

#### mechanical data

height	60 mm
depth	56,32 mm
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	+5 ... +68 °C @ T = measurement point
temperature	
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

#### conformity

conformity	CE KC (R-REI-BkR-LXG-250M) RoHS EAC
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# LXG-250C

Dual GigE, 25 Megapixel, Color

Article number: 11150457

## dimension drawing

