

# LXG-250C

Dual GigE, 25 Megapixel, Color

Article number: 11150457

## Overview

- 5120 × 5120 px
- Onsemi PYTHON 25K
- APS-H CMOS
- 9 fps
- Dual Gigabit Ethernet



Picture similar



GEN<i>i>CAM



## Technical data

### Sensor information

Sensor	onsemi PYTHON 25K
Mono/Color	Color
Color filter	RGB Bayer Mosaic
Sensor type	APS-H CMOS
Shutter type	Global shutter
Resolution	5120 × 5120 px
Pixel size	4.5 × 4.5 μm
Exposure time	0.03 ... 1000 ms

### Data quality (EMVA 1288 typical)

Dark noise	11.96 e-
Saturation capacity	8425 e-
Dynamic range	56.4 dB
Signal-to-noise ratio	39.3 dB
Quantum efficiency	36.6 % @ 465 nm 39.7 % @ 536 nm 41.2 % @ 631 nm

### Acquisition formats

Image formats, interface frame rate max.	Full Frame, 5120 × 5120 px, max. 9 fps 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 frame rate max. (Burst Mode)	Full Frame, 5120 × 5120 px, max. 32 fps

### Acquisition formats

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)
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Color models	Raw Bayer
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Color processing	NA
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### 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
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	3 output lines
Internal image buffer	512 MB

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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 via 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

Weight ≤ 320 g (M58-mount)

Material housing: aluminum

### Electrical data

Voltage supply range +Vs 12 ... 24 V DC (external power supply)  
36 ... 57 V DC (Power over Ethernet)

### Electrical data

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

### Environmental conditions

Operating temperature +5 ... +68 °C @ T = measurement point

Humidity 10 ... 90 % (non-condensing)

Protection class IP 40

### Conformity

Conformity CE  
KC (R-REI-BkR-LXG-250M)  
RoHS  
EAC

## Dimension drawing

