

LXG-250M

Dual GigE, 25 Megapixel, Monochrome

Article number: 11150444

Overview

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



GEN*i*CAM



Technical data

Sensor information

Sensor	onsemi PYTHON 25K
Mono/Color	Mono
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

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
Pixel formats	Mono8 Mono10 Mono10 Packed

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

Camera features

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

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	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

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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
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Conformity

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

