

LXC-250M

Camera Link®, 25 Megapixel, Monochrome

Article number: 11162825

Overview

- 5120 × 5120 px
- Onsemi PYTHON 25K
- APS-H CMOS
- 32 fps
- Camera Link® Full



Picture similar



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

Data quality (EMVA 1288 typical)

Dark noise	12.59 e-
Saturation capacity	8508 e-
Dynamic range	56.1 dB
Signal-to-noise ratio	39.3 dB
Quantum efficiency	51.9 % @ 536 nm

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 5120 × 5120 px, max. 32 fps Binning 2×2, 2560 × 2560 px, max. 32 fps Binning 1×2, 5120 × 2560 px, max. 32 fps Binning 2×1, 2560 × 5120 px, max. 32 fps
Pixel formats	Mono8 Mono10

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
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	1 output line
Internal image buffer	512 MB

Interfaces and connectors

Data interface	Camera Link Full, connector: 2 x Standard SDR26 (Mini CL)
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

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Depth	45.12 mm
Weight	≤ 235 g (M58-mount)
Material	housing: aluminum

Electrical data

Voltage supply range +Vs	12 ... 24 V DC (external power supply) 38 ... 57 V (PoCL)
Power consumption	Approx. 7.8 W @ 24 VDC Approx. 7.8 W @ 12 VDC (PoCL)

Non-volatile memory

Flash memory size	128 kB
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Environmental conditions

Operating temperature	+5 ... +66 °C @ T = measurement point
Humidity	10 ... 90 % (non-condensing)

Protection class	IP 40
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Conformity

Conformity	CE RoHS EAC
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Dimension drawing

