

LXG-500M

Dual GigE, 48 Megapixel, Monochrome

Article number: 11188977

Overview

- 7920 × 6004 px
- ams (CMOSIS) CMV50000
- 35 mm CMOS
- 5 fps
- Dual Gigabit Ethernet



GEN*i*CAM



Technical data

Sensor information

Sensor	ams (CMOSIS) CMV50000
Mono/Color	Mono
Sensor type	35 mm CMOS
Shutter type	Global shutter
Resolution	7920 × 6004 px
Pixel size	4.6 × 4.6 µm
Exposure time	0.1 ... 1000 ms

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 7920 × 6004 px, max. 5 fps Binning 2×2, 3960 × 3002 px, max. 15 fps Binning 1×2, 7920 × 3002 px, max. 10 fps Binning 2×1, 3960 × 6004 px, max. 10 fps
Image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 7920 × 6004 px, max. 15 fps
Pixel formats	Mono8 Mono12 Mono12 Packed

Image preprocessing

Analog controls	Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 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. 10 W @ 24 VDC (sequential readout) approx. 12 W @ 48 VDC (PoE, sequential readout)

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

Conformity

Conformity	CE KC (R-REI-BkR-LXG-500M) RoHS EAC BIS-CRS (R-41207004)
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Dimension drawing

