

## LXG-40M

Dual GigE, 4 Megapixel, Monochrome

Article number: 11137897

### Overview

- 2048 × 2048 px
- ams (CMOSIS) CMV4000 V3
- 1" CMOS
- 59 fps
- Dual Gigabit Ethernet
- available



GEN*i*CAM



### Technical data

#### Sensor information

Sensor	ams (CMOSIS) CMV4000 V3
Resolution	2048 × 2048 px
Exposure time	0,03 ... 1000 ms
Pixel size	5.5 × 5.5 µm
Shutter type	Global shutter
Sensor type	1" CMOS

#### Acquisition formats

Image formats, interface frame rate max.	Full Frame, 2048 × 2048 px, max. 59 fps Binning 2×2, 1024 × 1024 px, max. 180 fps Binning 1×2, 2048 × 1024 px, max. 118 fps Binning 2×1, 1024 × 2048 px, max. 81 fps
Image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 2048 × 2048 px, max. 180 fps

Pixel formats	Mono8 Mono10 Mono10 Packed
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#### Image preprocessing

Analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
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Color models	Mono
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#### Camera features

Synchronization	free running trigger
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#### Camera features

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

#### 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	C-mount
Width	60 mm
Height	60 mm
Depth	52,4 mm
Weight	≤ 340 g

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### Mechanical data

Material housing: aluminum

### Electrical data

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

Power consumption approx. 6,2 W @ 24 VDC  
approx. 5,2 W @ 48 VDC (PoE)

### Non-volatile memory

Flash memory size 128 kB

### Environmental conditions

Operating temperature +5 ... +64 °C @ T = measurement point

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

Protection class IP 40

### Conformity

Conformity CE  
RoHS  
EAC

## Dimension drawing

