

LXG-40NIR

Dual GigE, 4 Megapixel, Monochrome/Enhanced NIR

Article number: 11137901

Overview

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



GEN<i>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)
Color models	Mono NIR

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 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	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

