

## overview

- 4096 × 3072 px
- ams (CMOSIS) CMV12000
- APS-C CMOS
- 60 fps
- Gigabit Ethernet



## technical data

### sensor information

sensor	ams (CMOSIS) CMV12000
resolution	4096 × 3072 px
exposure time	0,02 ... 1000 ms
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	APS-C CMOS

### acquisition formats

image formats, interface frame rate max.	Full Frame, 4096 × 3072 px, max. 9 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 4096 × 3072 px, max. 60 fps
pixel formats	Mono8 Mono10

### image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
color models	Mono
image processing	3D Laser Triangulation based on VisualApplets

### camera features

synchronization	free running trigger
trigger sources	Hardware software ActionCommand
trigger delay	0 ... 2 sec, tracking and buffering of up to 512 trigger signals

### camera features

sequencer	Automated control for series of images using different sets of parameters
sequencer parameter	exposure time gain factor 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	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 8 pins (2x)
power supply	M8 / 8 pins

### mechanical data

lens mount	M58-mount (F-mount, M42, C-mount via adapter)
width	60 mm
height	60 mm
depth	54,25 mm
weight	≤ 290 g (M58-mount)
material	housing: aluminum

### electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
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# LXG-120M.3D

Gigabit Ethernet, 12 Megapixel, Monochrome

Article number: 11174308

## technical data

### electrical data

power consumption approx. 7,3 W @ 24 VDC  
approx. 8,4 W @ 48 VDC (PoE)

### non-volatile memory

flash memory size 128 kB

### environmental conditions

operating temperature +5 ... +50 °C

### environmental conditions

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

protection class IP 40

### conformity

conformity CE  
RoHS  
EAC

## dimension drawing

