Baumer
Passion for Sensors

LX series

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



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, aquisition frame rate max. (Burst Mode)	Full Frame, 2048 × 2048 px, max. 180 fps
pixel formats	Mono8 Mono10 Mono10 Packed
image preprocessing	
analog controls	Gain (0 … 12 dB) Offset (0 … 63 LSB 10 Bit)
color models	Mono
camera features	
synchronization	free running trigger

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	M8 / 8 pins
mechanical data	
lens mount	C-mount
width	60 mm
height	60 mm
depth	52,4 mm
weight	≤ 340 g
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. 6,2 W @ 24 VDC approx. 5,2 W @ 48 VDC (PoE)

non-volatile memory

flash memory size	128 kB

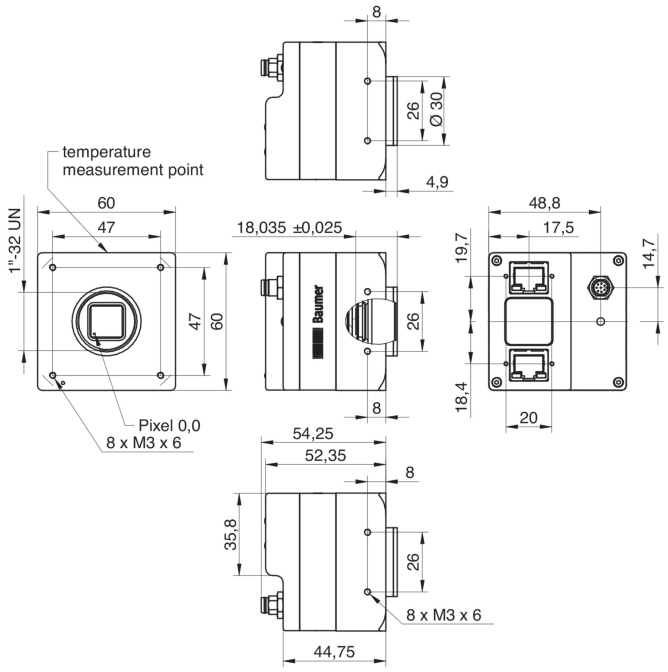
environmental conditions

operating temperature	+5 … +64 °C @ T = measurement point
humidity	10 … 90 % (non-condensing)
protection class	IP 40

conformity

conformity	CE RoHS EAC

dimension drawing



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