LXG-120M

Dual GigE, 12 Megapixel, Monochrome

Article number: 11117846

Overview

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



Technical data

Sensor information	
Sensor	ams (CMOSIS) CMV12000
Resolution	4096 × 3072 px
Exposure time	0,04 … 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. 19 fps Binning 2×2, 2048 × 1536 px, max. 19 fps Binning 1×2, 4096 × 1536 px, max. 19 fps Binning 2×1, 2048 × 3072 px, max. 19 fps
Image formats, aquisition frame rate max. (Burst Mode)	Full Frame, 4096 × 3072 px, max. 50 fps
Pixel formats	Mono8 Mono12 Mono12 Packed
Image preprocessing	
Analog controls	Gain (0 … 12 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 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	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

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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. 7,0 W @ 24 VDC approx. 6,5 W @ 48 VDC (PoE)

Non-volatile memory

Flash memory size	128 kB

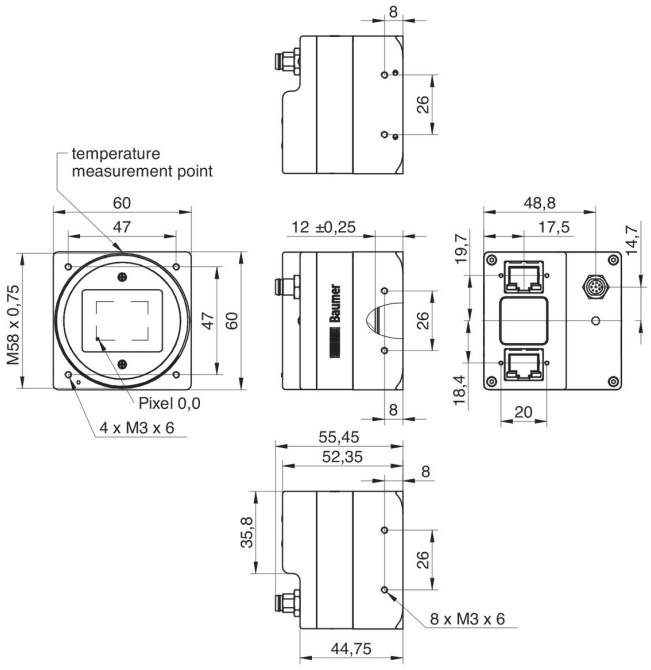
Environmental conditions

Operating temperature	+5 … +66 °C @ T = measurement point
Humidity	10 … 90 % (non-condensing)
Protection class	IP 40

Conformity

Conformity	CE RoHS EAC

Dimension drawing



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