Baumer
Passion for Sensors

Industrial cameras / LX series

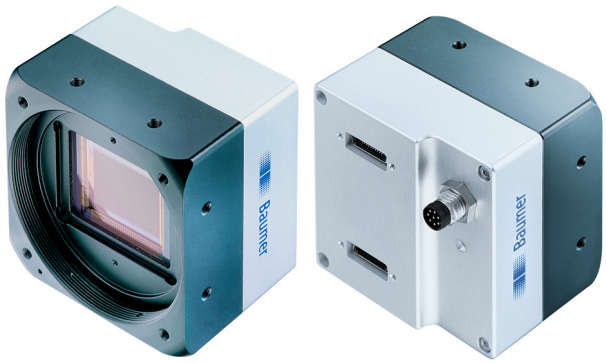
LXC-120C

Camera Link, 12 Megapixel, Color

Article number: 11148664

Overview

- 4096 × 3072 px
- ams (CMOSIS) CMV12000
- APS-C CMOS
- 63 fps
- Camera Link Full



Technical data

Sensor information	
Sensor	ams (CMOSIS) CMV12000
Mono/Color	Color
Color filter	RGB Bayer Mosaic
Sensor type	APS-C CMOS
Shutter type	Global shutter
Resolution	4096 × 3072 px
Pixel size	5.5 × 5.5 µm
Exposure time	0.02 … 1000 ms
Data quality (EMVA 1288 typical)	
Dark noise	12.89 e-
Saturation capacity	8845 e-
Dynamic range	56.2 dB
Signal-to-noise ratio	39.5 dB
Quantum efficiency	33.8 % @ 465 nm 33.2 % @ 536 nm 33 % @ 631 nm
Acquisition formats	
Image formats, interface frame rate max.	Full Frame, 4096 × 3072 px, max. 63 fps
Pixel formats	BayerGB8 BayerGB10
Image preprocessing	
Analog controls	Gain (0 … 12 dB) Offset (0 … 63 LSB 10 Bit)
Color models	Raw Bayer
Color processing	NA

Camera features	
Synchronization	free running trigger
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	1 output line
Internal image buffer	512 MB
Interfaces and connectors	
Data interface	Camera Link Full, connector: 2 x Standard SDR26 (Mini CL)
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	43.05 mm

2022-11-10 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

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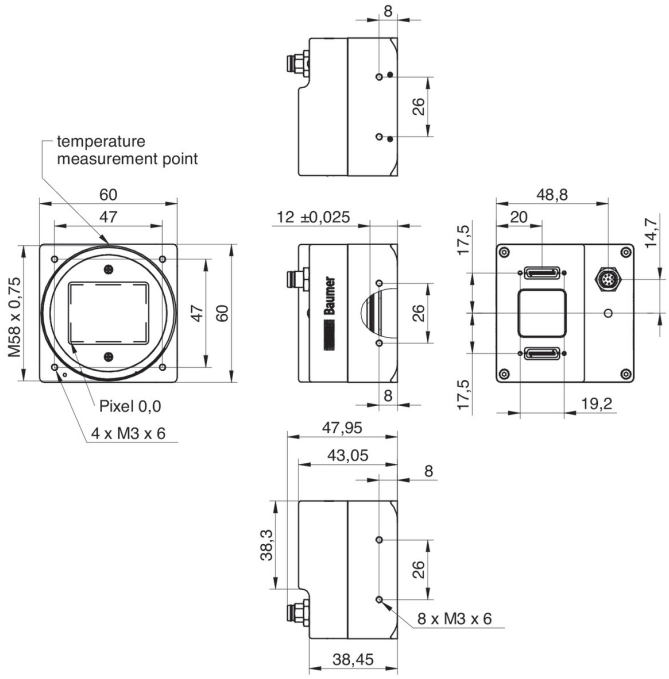
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Technical data

Mechanical data	
Weight	≤ 235 g (M58-mount)
Material	housing: aluminum
Electrical data	
Voltage supply range +Vs	12 … 24 V DC (external power supply) 38 … 57 V (PoCL)
Power consumption	approx. 6,5 W @ 24 VDC approx. 6,5 W @ 12 VDC (PoCL)
Non-volatile memory	
Flash memory size	128 kB

Environmental conditions	
Operating temperature	+5 … +65 °C @ T = measurement point
Humidity	10 … 90 % (non-condensing)
Protection class	IP 40
Conformity	
Conformity	CE RoHS EAC

Dimension drawing



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