Baumer
Passion for Sensors

LX series

# LXG-120C

Dual GigE, 12 Megapixel, Color

Article number: 11117847

## 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 |
| color filter | RGB Bayer Mosaic |
| 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 |
| image formats, aquisition frame rate max. (Burst Mode) | Full Frame, 4096 × 3072 px, max. 50 fps |
| pixel formats | BayerGB8<br>BayerGB12<br>BayerGB12 Packed |
| **image preprocessing** | |
| analog controls | Gain (0 … 12 dB)<br>Offset (0 … 255 LSB 12 Bit) |
| color models | Raw Bayer |
| color processing | NA |
| **camera features** | |
| synchronization | free running<br>trigger |
| trigger sources | Hardware<br>software<br>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<br>gain factor<br>output<br>ROI Offset x<br>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 | 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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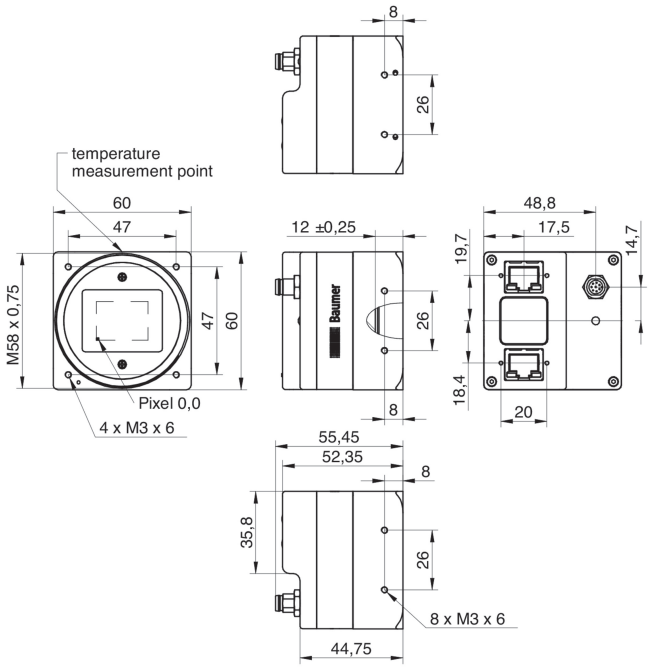
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## technical data

| electrical data | |
|---|---|
| voltage supply range +Vs | 12 … 24 V DC (external power supply)<br>36 … 57 V DC (Power over Ethernet) |
| power consumption | approx. 7,0 W @ 24 VDC<br>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<br>RoHS<br>EAC |

## dimension drawing




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