

overview

- 2048 × 1088 px
- ams (CMOSIS) CMV2000 V3
- 2/3" CMOS
- 338 fps
- Gigabit Ethernet
- available



technical data

sensor information

| | |
|---------------|-------------------------|
| sensor | ams (CMOSIS) CMV2000 V3 |
| resolution | 2048 × 1088 px |
| exposure time | 0,03 ... 1000 ms |
| pixel size | 5.5 × 5.5 µm |
| shutter type | Global shutter |
| sensor type | 2/3" CMOS |

acquisition formats

| | |
|---|--|
| image formats, interface frame rate max. | Full Frame, 2048 × 1088 px, max. 56 fps |
| image formats, acquisition frame rate max. (Burst Mode) | Full Frame, 2048 × 1088 px, max. 338 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 | ≤ 340 g |
| material | housing: aluminum |

electrical data

| | |
|--------------------------|--|
| voltage supply range +Vs | 12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet) |
|--------------------------|--|

LXG-20M.3D

Gigabit Ethernet, 2 Megapixel, Monochrome

Article number: 11174306

technical data

electrical data

| | |
|-------------------|--|
| power consumption | approx. 5,8 W @ 24 VDC approx. 6,7 W @ 48 VDC (PoE) |
|-------------------|--|

non-volatile memory

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|-------------------|--------|
| 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

