

LXG-200M

Dual GigE, 20 Megapixel, Monochrome

Article number: 11117848

Overview

- 5120 × 3840 px
- ams (CMOSIS) CMV20000
- 35 mm CMOS
- 12 fps
- Dual Gigabit Ethernet



GEN*i*CAM



Technical data

Sensor information

| | |
|---------------|-----------------------|
| Sensor | ams (CMOSIS) CMV20000 |
| Mono/Color | Mono |
| Sensor type | 35 mm CMOS |
| Shutter type | Global shutter |
| Resolution | 5120 × 3840 px |
| Pixel size | 6.4 × 6.4 µm |
| Exposure time | 0.1 ... 1000 ms |

Acquisition formats

| | |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image formats, interface frame rate max. | Full Frame, 5120 × 3840 px, max. 12 fps Binning 2×2, 2560 × 1920 px, max. 12 fps Binning 1×2, 5120 × 1920 px, max. 12 fps Binning 2×1, 2560 × 3840 px, max. 12 fps |
| Image formats, acquisition frame rate max. (Burst Mode) | Full Frame, 5120 × 3840 px, max. 32 fps |
| Pixel formats | Mono8 Mono12 Mono12 Packed |

Image preprocessing

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

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|-----------------------|---------------------------------------------------------------------------|
| 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 Mb/s/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. 6,5 W @ 24 VDC approx. 6,5 W @ 48 VDC (PoE) |

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 KC (MSIP-REI-BkR-LXG-200M) EAC |
|------------|-------------------------------------------------|

Dimension drawing

