

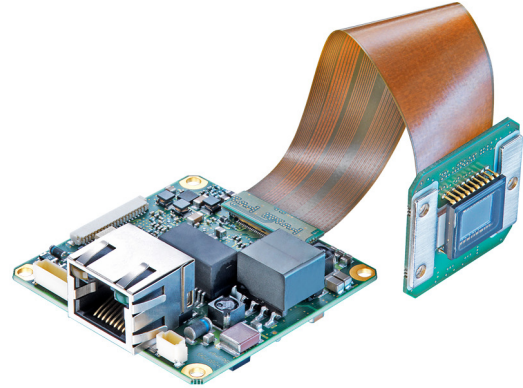
MXGC40

Gigabit Ethernet, 4 Megapixel, Monochrome

Article number: 11094944

Overview

- 2040 × 2044 px
- ams (CMOSIS) CMV4000
- 1" CMOS
- 29 fps
- Gigabit Ethernet



GEN<i>i>CAM



Technical data

Sensor information

| | |
|--------------|----------------------|
| Sensor | ams (CMOSIS) CMV4000 |
| Mono/Color | Mono |
| Sensor type | 1" CMOS |
| Shutter type | Global shutter |
| Resolution | 2040 × 2044 px |
| Pixel size | 5.5 × 5.5 µm |

Acquisition formats

| | |
|--|---|
| Image formats, interface frame rate max. | Full Frame, 2040 × 2044 px, max. 29 fps |
| Pixel formats | Mono8 Mono12 Mono12 Packed |

Image preprocessing

| | |
|-----------------|---|
| Analog controls | Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 Bit) |
| Color models | Mono |

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 |
| Sequencer | Automated control for series of images using different sets of parameters |

Camera features

| | |
|-----------------------|---|
| Sequencer parameter | Exposure time gain factor output line ROI Offset x ROI Offset y |
| Digital inputs | 1 input line |
| Digital outputs | 3 output lines |
| Internal image buffer | 120 MB |

Interfaces and connectors

| | |
|-------------------|---|
| Data interface | Gigabit Ethernet, Transfer rate 1000 Mb/s/sec, Fast Ethernet, Transfer rate 100 Mb/s/sec, Connector: 8P8C Modular Jack (RJ45) |
| Process interface | JSTBM08B-SRSS-TB 8 pins |
| Power supply | JSTBM03B-SRSS-TB 3 pins |

Mechanical data

| | |
|------------|--|
| Lens mount | C-mount / S-mount (adapter) |
| Width | 28.5 mm (sensor print) 48 mm (system print) |
| Height | 28.5 mm (sensor print) 48 mm (system print) |
| Weight | ≤ 30 g |
| Material | without housing |

Electrical data

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

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Electrical data

| | |
|-------------------|---|
| Power consumption | approx. 3,6 W @ 12 VDC and 29,0 fps |
| | approx. 3,7 W @ 48 VDC (PoE) and 23,5 fps |

Non-volatile memory

| | |
|-------------------|--------|
| Flash memory size | 128 kB |
|-------------------|--------|

Environmental conditions

| | |
|-----------------------|--|
| Operating temperature | Depends on the thermal encapsulation ($T_{\max} = 70\text{ °C}$ @ Measurement Point) |
|-----------------------|--|

Environmental conditions

| | |
|----------|------------------------------|
| Humidity | 10 ... 90 % (non-condensing) |
|----------|------------------------------|

Digital I/Os

| | |
|-------|--------------------------------|
| Lines | 1 input line 3 output lines |
|-------|--------------------------------|

Conformity

| | |
|------------|-------------------|
| Conformity | CE RoHS EAC |
|------------|-------------------|

Dimension drawing

