

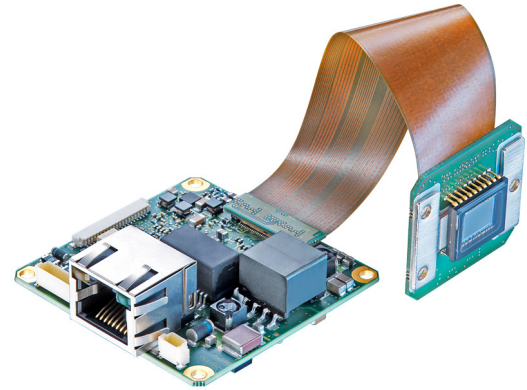
# MXGC40.2

Gigabit Ethernet, 4 Megapixel, Monochrome

Article number: 11115307

## Overview

- 2040 × 2044 px
- ams (CMOSIS) CMV4000 V3
- 1" CMOS
- 29 fps
- Gigabit Ethernet



GEN<i>i>CAM



## Technical data

### Sensor information

Sensor	ams (CMOSIS) CMV4000 V3
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 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, Fast Ethernet, Transfer rate 100 Mb/s, 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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Power consumption	approx. 3,6 W @ 12 VDC and 29,0 fps approx. 3,7 W @ 48 VDC (PoE) and 23,5 fps
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### Non-volatile memory

Flash memory size	128 kB
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### Environmental conditions

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

Humidity	10 ... 90 % (non-condensing)
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### Digital I/Os

Lines	1 input line 3 output lines
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### Conformity

Conformity	CE RoHS EAC
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## Dimension drawing

