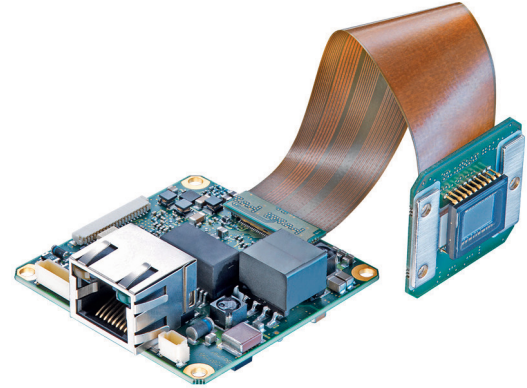


overview

- 640 × 480 px
- ams (CMOSIS) CMV300
- 1/3" CMOS
- 376 fps
- Gigabit Ethernet
- available



technical data

sensor information

sensor	ams (CMOSIS) CMV300
resolution	640 × 480 px
pixel size	7.4 × 7.4 μm
shutter type	Global shutter
sensor type	1/3" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 640 × 480 px, max. 376 fps
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

image preprocessing

analog controls	Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 Bit)
color models	RGB YUV Mono
color processing	Integrated color processor for high quality color calculation

camera features

synchronization	free running trigger
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camera features

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
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 Mbits/sec, Fast Ethernet, Transfer rate 100 Mbits/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)

MXGC03C

Gigabit Ethernet, 0,3 Megapixel, Color

Article number: 11119331

technical data

mechanical data

weight	≤ 30 g
material	without housing

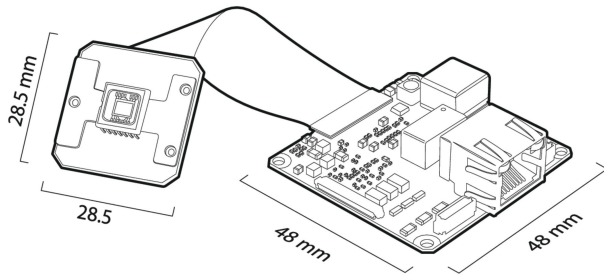
electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 3,0 W @ 12 VDC and 376,0 fps approx. 3,6 W @ 48 VDC (PoE) and 376,0 fps

non-volatile memory

flash memory size	128 kB
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dimension drawing



environmental conditions

operating temperature	Depends on the thermal encapsulation ($T_{max} = 70\text{ °C}$ @ Measurement Point)
humidity	10 ... 90 % (non-condensing)

digital I/Os

lines	1 input line 3 output lines
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conformity

conformity	CE RoHS EAC
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