



GIG VISION **GEN<i>i</i>CAM**



sensor information

sensor	ams (CMOSIS) CMV4000 V3
resolution	2040 × 2044 px
pixel size	5.5 × 5.5 μm
shutter type	Global shutter
sensor type	1" CMOS

acquisition formats

image formats, interface	Full Frame, 2040 × 2044 px, max. 29 fps
frame rate max.	
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

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)
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mechanical data

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	12 ... 24 V DC (external power supply)
range +Vs	36 ... 57 V DC (Power over Ethernet)
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
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environmental conditions

operating temperature	Depends on the thermal encapsulation (T _{max} = 70 °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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MXGC40c.2

Gigabit Ethernet, 4 Megapixel, Color

Article number: 11115308

dimension drawing

