



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



sensor information

sensor	ON Semiconductor MT9J003
resolution	3856 × 2764 px
exposure time	0,0048 ... 1000 ms
pixel size	1.67 × 1.67 µm
shutter type	Rolling shutter Global reset shutter
sensor type	1/2.5" CMOS

acquisition formats

image formats, interface	Full Frame, 3856 × 2764 px, max. 7 fps Binning 2×2, 1928 × 1382 px, max. 7 fps
frame rate max.	Binning 2×1, 1928 × 2764 px, max. 7 fps Binning 1×2, 3856 × 1382 px, max. 7 fps
image formats, aquisition	Full Frame, 3856 × 2764 px, max. 7 fps
frame rate max. (Burst Mode)	
pixel formats	BayerRG8 BayerRG12 BayerRG12 Packed

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Raw Bayer

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mbts/ sec, Fast Ethernet, Transfer Rate 100 Mbts/ sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 4 pins (SACC-DSI-M 8MS-4CON-L180)
power supply	M8 / 4 pins

mechanical data

material	zinc die casting, nickel-plated, IP 40
lens mount	CS-mount
width	29 mm

mechanical data

height	29 mm
depth	49 mm
weight	≤ 120 g

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	
power consumption	ca. 2,0 W @ 12 VDC und 7 fps

non-volatile memory

flash memory size	128 kB
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environmental conditions

operating temperature	+5 ... +60 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

digital I/Os

lines	1 input line 1 output line
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conformity

conformity	RoHS
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VEXG-100C.R

Gigabit Ethernet, 10,6 Megapixel, Monochrome

Article number: 11185990

dimension drawing

