



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	1/2.3" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 3856 × 2764 px, max. 7 fps Binning 2×2, 1928 × 1382 px, max. 7 fps Binning 2×1, 1928 × 2764 px, max. 7 fps Binning 1×2, 3856 × 1382 px, max. 7 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 3856 × 2764 px, max. 7 fps
pixel formats	Mono8 Mono12 Mono12 Packed

image preprocessing

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

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

lens mount	CS-mount
width	29 mm
height	29 mm

mechanical data

depth	49 mm
weight	≤ 120 g
material	zinc die casting, nickel-plated, IP 40

electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply)
power consumption	approx. 2,0 W @ 12 VDC and 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

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VEXG-100M.R

Gigabit Ethernet, 10,6 Megapixel, Monochrome

Article number: 11185979

dimension drawing

