

overview

- 3856 × 2764 px
- ON Semiconductor MT9J003
- 1/2.3" CMOS
- 7 fps
- Gigabit Ethernet
- available



technical data

sensor information

sensor	ON Semiconductor MT9J003
resolution	3856 × 2764 px
exposure time	0,048 ... 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

camera features

synchronization	free running trigger
trigger sources	Hardware software

camera features

internal image buffer	31 MB 1 images (Trigger Mode) 1 image (Free Running Mode)
-----------------------	---

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), 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
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
-------------------	--------

environmental conditions

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

VEXG-100M.R

Gigabit Ethernet, 10,6 Megapixel, Monochrome

Article number: 11185979

technical data

environmental conditions

protection class IP 40

digital I/Os

lines 1 input line
1 output line

conformity

conformity CE

dimension drawing

