

**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, Fast Ethernet, Transfer Rate 100 Mb/s, 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

