

## 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<br>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<br>Binning 2×2, 1928 × 1382 px, max. 7 fps<br>Binning 2×1, 1928 × 2764 px, max. 7 fps<br>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                                           | BayerRG8<br>BayerRG12<br>BayerRG12 Packed                                                                                                                               |

### image preprocessing

|                 |                                                     |
|-----------------|-----------------------------------------------------|
| analog controls | Gain (0 ... 12 dB)<br>Offset (0 ... 255 LSB 12 Bit) |
| color models    | Raw Bayer                                           |

### camera features

|                 |                         |
|-----------------|-------------------------|
| synchronization | free running<br>trigger |
| trigger sources | Hardware<br>software    |

### camera features

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| internal image buffer | 31 MB<br>1 images (Trigger Mode)<br>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-100C.R

Gigabit Ethernet, 10,6 Megapixel, Color

Article number: 11185990

### technical data

#### environmental conditions

protection class IP 40

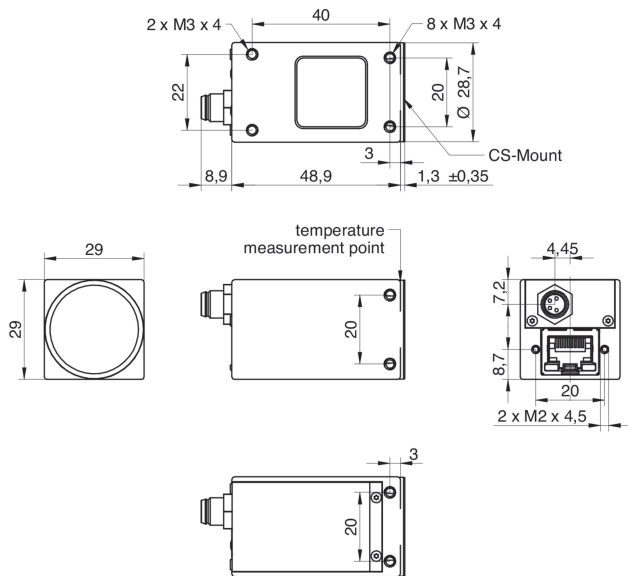
#### digital I/Os

lines 1 input line  
1 output line

#### conformity

conformity CE

### dimension drawing



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