

**overview**

- 5472 × 3648 px
- Sony IMX183
- 1" CMOS
- 6 fps
- Gigabit Ethernet
- available



**technical data**

**sensor information**

|               |   |
|---------------|---|
| sensor        | Sony IMX183                             |
| resolution    | 5472 × 3648 px                          |
| exposure time | 0,115 ... 60000 ms                      |
| pixel size    | 2.4 × 2.4 μm                            |
| shutter type  | Rolling shutter<br>Global reset shutter |
| sensor type   | 1" CMOS                                 |

**acquisition formats**

|   |   |
|---|---|
| image formats, interface frame rate max.                | Full Frame, 5472 × 3648 px, max. 6 fps<br>Binning 2×2, 2736 × 1824 px, max. 9 fps<br>Binning 2×1, 2736 × 3648 px, max. 6 fps<br>Binning 1×2, 5472 × 1824 px, max. 9 fps |
| image formats, acquisition frame rate max. (Burst Mode) | Full Frame, 5472 × 3648 px, max. 9 fps  |

|               |  |
|---------------|--|
| pixel formats | BayerRG8<br>BayerRG10<br>BayerRG12<br>BayerRG12 Packed<br>Mono8<br>Mono10<br>Mono12<br>Mono12 Packed<br>RGB8<br>BGR8 |
|---------------|--|

**image preprocessing**

|                 |   |
|-----------------|---|
| analog controls | Gain (0 ... 20 dB)<br>Offset (0 ... 255 LSB 12 Bit) |
|-----------------|---|

**image preprocessing**

|              |                                 |
|--------------|---------------------------------|
| color models | Mono<br>Raw Bayer<br>RGB<br>BGR |
|--------------|---------------------------------|

**camera features**

|                       |  |
|-----------------------|--|
| synchronization       | free running<br>trigger  |
| trigger sources       | Hardware<br>software<br>ActionCommand                            |
| trigger delay         | 0 ... 2 sec, tracking and buffering of up to 256 trigger signals |
| internal image buffer | 58 MB<br>1 image (Trigger Mode)<br>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 / 8 pins (SACC-DSI-M8MS-8CON-M8-L180)  |
| power supply      | M8 / 8 pins or PoE  |

**mechanical data**

|            |         |
|------------|---------|
| lens mount | C-mount |
| width      | 29 mm   |
| height     | 29 mm   |

# VCXG-201C.R

Gigabit Ethernet, 20,0 Megapixel, Color

Article number: 11172631

## technical data

### mechanical data

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

### electrical data

|                   |  |
|-------------------|--|
| power consumption | approx. 2,5 W @ 12 VDC and 6 fps<br>approx. 3,0 W @ 48 VDC (PoE) and 6 fps |
|-------------------|--|

### non-volatile memory

|                   |        |
|-------------------|--------|
| flash memory size | 128 kB |
|-------------------|--------|

### environmental conditions

|                       |                                       |
|-----------------------|---------------------------------------|
| operating temperature | +5 ... +65 °C @ T = measurement point |
|-----------------------|---------------------------------------|

### environmental conditions

|                  |                              |
|------------------|------------------------------|
| humidity         | 10 ... 90 % (non-condensing) |
| protection class | IP 40                        |

### digital I/Os

|       |  |
|-------|--|
| lines | 1 input line<br>1 output line<br>2 general purpose lines |
|-------|--|

### conformity

|            |  |
|------------|--|
| conformity | CE<br>RoHS<br>KC (R-REI-BkR-VCXG-201MR)<br>EAC |
|------------|--|

## dimension drawing

