

**overview**

- 1920 × 1080 px
- Sony IMX290
- 1/2" CMOS
- 58 fps
- Gigabit Ethernet
- available



**technical data**

**sensor information**

sensor	Sony IMX290
resolution	1920 × 1080 px
exposure time	0,015 ... 60000 ms
pixel size	2.9 × 2.9 µm
shutter type	Rolling shutter Global reset shutter
sensor type	1/2" CMOS

**acquisition formats**

image formats, interface frame rate max.	Full Frame, 1920 × 1080 px, max. 58 fps Binning 2×2, 960 × 540 px, max. 89 fps Binning 2×1, 960 × 1080 px, max. 58 fps Binning 1×2, 1920 × 540 px, max. 89 fps
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image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 1920 × 1080 px, max. 89 fps
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pixel formats	Mono8 Mono10 Mono12 Mono12 Packed
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**image preprocessing**

analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)
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color models	Mono
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**camera features**

synchronization	free running trigger
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**camera features**

trigger sources	Hardware software ActionCommand
trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
internal image buffer	95 MB 16 images (Trigger Mode) 1 image (Free Running Mode)

**interfaces and connectors**

data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Fast Ethernet, Transfer Rate 100 Mbits/sec, 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
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) 36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 1,9 W @ 12 VDC and 58 fps approx. 2,4 W @ 48 VDC and 58 fps

# VCXG-22M.R

Gigabit Ethernet, 1,5 Megapixel, Monochrome

Article number: 11209586

## technical data

### non-volatile memory

flash memory size 128 kB

### environmental conditions

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

humidity 10 ... 90 % (non-condensing)

protection class IP 40

### digital I/Os

lines  
1 input line  
1 output line  
2 general purpose lines

### conformity

conformity  
CE  
RoHS

## dimension drawing

