

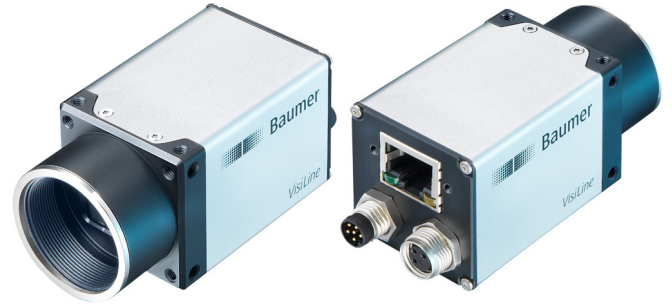
## VLG-23C

Gigabit Ethernet, 2,3 Megapixel, Color

Article number: 11143095

### Overview

- 1920 × 1200 px
- Sony IMX174
- 1/1.2" CMOS
- 53 fps
- Gigabit Ethernet



Picture similar



GEN<i>i>CAM



### Technical data

#### Sensor information

Sensor	Sony IMX174 Gen1
Mono/Color	Color
Sensor type	1/1.2" CMOS
Shutter type	Global shutter
Resolution	1920 × 1200 px
Pixel size	5.86 × 5.86 μm
Exposure time	0.045 ... 60000 ms

#### Data quality (EMVA 1288 typical)

Dark noise	6 e-
Saturation capacity	30901 e-
Dynamic range	73 dB
Signal-to-noise ratio	44.9 dB
Quantum efficiency	52.1 % @ 465 nm 59.9 % @ 536 nm 44.3 % @ 631 nm

#### Acquisition formats

Image formats, interface	Full Frame, 1920 × 1200 px, max. 53 fps frame rate max.
Pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

#### Image preprocessing

Analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)
Color models	RGB YUV Mono
Color processing	Integrated color processor for high quality color calculation

#### Camera features

Synchronization	free running trigger
Trigger sources	Hardware Software ActionCommand
Trigger delay	0 ... 2 sec, tracking and buffering of up to 512 trigger signals
Sequencer	Automated control for series of images using different sets of parameters
Sequencer parameter	Exposure time gain factor output line ROI Offset x ROI Offset y
Digital inputs	1 input line
Digital outputs	3 output lines
Internal image buffer	120 MB

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#### 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 SACC-DSI-M8FS-3CON-M10-L180 SH

Power supply SACC-DSI-M 8MS-6CON-L180 SH

#### Mechanical data

Lens mount C-mount

Width 33 mm

Height 33 mm

Depth 48 mm

Weight ≤ 125 g

Material camera support: aluminum  
case and back plane: 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. 3.5 W @ 12 VDC und 53.0 fps  
Approx. 3.8 W @ 48 VDC (PoE) and 53.0 fps

#### Non-volatile memory

Flash memory size 128 kB

#### Environmental conditions

Operating temperature +5 ... +50 °C

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

Protection class IP 40

#### Digital I/Os

Lines 1 input line  
3 output lines

#### Conformity

Conformity CE  
RoHS

### Dimension drawing

