

## VLG-23M.I

Gigabit Ethernet, 2,3 Megapixel, Monochrome

Article number: 11143093

### 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	Mono
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	6.3 e-
Saturation capacity	32577 e-
Dynamic range	73.1 dB
Signal-to-noise ratio	45.1 dB
Quantum efficiency	66.3 % @ 536 nm

#### Acquisition formats

Image formats, interface frame rate max.	Full Frame, 1920 × 1200 px, max. 53 fps
Pixel formats	Mono8 Mono12 Mono12 Packed

#### Image preprocessing

Analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)
Color models	Mono

#### 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 512 trigger signals
Sequencer	Automated control for series of images using different sets of parameters
Sequencer parameter	Exposure time gain factor Output ROI Offset x ROI Offset y
Digital inputs	1 input line
Digital outputs	3 output lines
Internal image buffer	120 MB

#### Interfaces and connectors

Data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Fast Ethernet, Transfer Rate 100 Mbits/sec, Connector: SACC-CI-M12FS-8CON-L180-10G
Process interface / power supply	SACC-CI-M12MS-8CON-SH TOR 32 / 8 pins

#### Mechanical data

Lens mount	C-mount
Width	46 mm
Height	46 mm
Depth	49.8 mm

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#### Mechanical data

Weight	≤ 185 g ≤ 220 g (incl. tube)
Material	aluminum, IP 65 / 67

#### 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
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#### Environmental conditions

Operating temperature	+5 ... +50 °C
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#### Environmental conditions

Humidity	10 ... 90 % (non-condensing)
Protection class	IP 40 IP 54 (with mounted tube and cable) IP 65 (with mounted tube and cable) IP 67 (with mounted tube and cable) IP 69K (with stainless steel housing accessory)

#### Digital I/Os

Lines	1 input line 3 output lines
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#### Conformity

Conformity	CE RoHS
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### Dimension drawing

