

VLG-23M

Gigabit Ethernet, 2,3 Megapixel, Monochrome

Article number: 11143096

Overview

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



Picture similar



GEN*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	6.2 e-
Saturation capacity	32305 e-
Dynamic range	73.1 dB
Signal-to-noise ratio	45.1 dB
Quantum efficiency	66.5 % @ 536 nm

Acquisition formats

Image formats, interface	Full Frame, 1920 × 1200 px, max. 53 fps frame rate max.
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 line 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: 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

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Mechanical data

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
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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
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Conformity

Conformity	CE RoHS
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Dimension drawing

