

## VLG-40M.2.I

Gigabit Ethernet, 4,0 Megapixel, Monochrome

Article number: 11115306

### Overview

- 2040 × 2044 px
- ams (CMOSIS) CMV4000 V3
- 1" CMOS
- 29 fps
- Gigabit Ethernet



Picture similar



GEN<i>i>CAM



### Technical data

#### Sensor information

Sensor	ams (CMOSIS) CMV4000 V3
Mono/Color	Mono
Sensor type	1" CMOS
Shutter type	Global shutter
Resolution	2040 × 2044 px
Pixel size	5.5 × 5.5 µm
Exposure time	0.02 ... 1000 ms

#### Data quality (EMVA 1288 typical)

Dark noise	11.3 e-
Saturation capacity	10028 e-
Dynamic range	58.6 dB
Signal-to-noise ratio	40 dB
Quantum efficiency	52.7 % @ 536 nm

#### Acquisition formats

Image formats, interface	Full Frame, 2040 × 2044 px, max. 29 fps frame rate max.
Pixel formats	Mono8 Mono12 Mono12 Packed

#### Image preprocessing

Analog controls	Gain (0 ... 18 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 Mb/s/sec, Fast Ethernet, Transfer Rate 100 Mb/s/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. 3.6 W @ 12 VDC and 29.0 fps Approx. 3.7 W @ 48 VDC (PoE) and 23.5 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

