

VLG-40C

Gigabit Ethernet, 4,0 Megapixel, Color

Article number: 11099362

Overview

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



Picture similar



GEN<i>i>CAM



Technical data

Sensor information

Sensor	ams (CMOSIS) CMV4000
Mono/Color	Color
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	10.7 e-
Saturation capacity	10251 e-
Dynamic range	59.2 dB
Signal-to-noise ratio	40.1 dB
Quantum efficiency	44.8 % @ 465 nm 47.4 % @ 536 nm 43.9 % @ 631 nm

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 2040 × 2044 px, max. 29 fps
Pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

Image preprocessing

Analog controls	Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 Bit)
Color models	RGB YUV Mono

Color processing	Integrated color processor for high quality color calculation
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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 ≤ 150 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)

Electrical data

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

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

