

VLG-24C

Gigabit Ethernet, 2,3 Megapixel, Color

Article number: 11143090

Overview

- 1920 × 1200 px
- Sony IMX249
- 1/1.2" CMOS
- 38 fps
- Gigabit Ethernet



Picture similar



GEN<i>i>CAM



Technical data

Sensor information

Sensor	Sony IMX249 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	6.1 e-
Saturation capacity	31189 e-
Dynamic range	73 dB
Signal-to-noise ratio	44.9 dB
Quantum efficiency	52.9 % @ 465 nm 60.9 % @ 536 nm 45 % @ 631 nm

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 1920 × 1200 px, max. 38 fps
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
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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
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Process interface	SACC-DSI-M8FS-3CON-M10-L180 SH
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Power supply	SACC-DSI-M 8MS-6CON-L180 SH
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Mechanical data

Lens mount	C-mount
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Width	33 mm
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Height	33 mm
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Depth	48 mm
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Weight	≤ 125 g
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Material	camera support: aluminum case and back plane: zinc die casting, nickel-plated, IP 40
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Electrical data

Voltage supply range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
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Power consumption	Approx. 3.5 W @ 12 VDC und 38.5 fps Approx. 3.8 W @ 48 VDC (PoE) and 38.5 fps
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Non-volatile memory

Flash memory size	128 kB
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Environmental conditions

Operating temperature	+5 ... +50 °C
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Humidity	10 ... 90 % (non-condensing)
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Protection class	IP 40
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Digital I/Os

Lines	1 input line 3 output lines
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Conformity

Conformity	CE RoHS
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Dimension drawing

