

VEXG-02C

Gigabit Ethernet, 0,3 Megapixel, Color

Article number: 11151559

Overview

- 640 × 480 px
- Onsemi PYTHON300
- 1/4" CMOS
- 217 fps
- Gigabit Ethernet



GEN<i>i>CAM



Technical data

Sensor information

Sensor	onsemi PYTHON300
Mono/Color	Color
Sensor type	1/4" CMOS
Shutter type	Global shutter
Resolution	640 × 480 px
Pixel size	4.8 × 4.8 μm
Exposure time	0.04 ... 1000 ms

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 640 × 480 px, max. 217 fps Binning 2×2, 320 × 240 px, max. 217 fps Binning 2×1, 320 × 480 px, max. 217 fps Binning 1×2, 640 × 240 px, max. 217 fps
Image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 640 × 480 px, max. 217 fps
Pixel formats	BayerRG8 BayerRG10

Image preprocessing

Analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
Color models	Raw Bayer

Camera features

Basic Functions	Exposure Gain / Color Gain Trigger / Exposure Active (Flash) Binning 2x2 Partial Scan Offset Free Running Mode (Live Image)
Acquisition / Interface	Adjustable Framerate

Synchronization	free running trigger
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Trigger sources	Hardware Software
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Process Synchronization	Debouncer
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Additional Functions	User Set
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Internal image buffer	1 MB 1 image (Trigger Mode) 1 image (Free Running Mode)
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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	M8 / 4 pins (SACC-DSI-M 8MS-4CON-L180)
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Power supply	via M8 / 4 pins
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Mechanical data

Lens mount	CS-mount
Width	29 mm

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Mechanical data

Height	29 mm
Depth	49 mm
Weight	≤ 120 g
Material	zinc die casting, nickel-plated, IP 40

Electrical data

Voltage supply range +Vs	12 ... 24 V DC (external power supply)
Power consumption	approx. 2,2 W @ 12 VDC and 217 fps

Non-volatile memory

Flash memory size	128 kB
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Environmental conditions

Operating temperature	+5 ... +65 °C @ T = measurement point
Humidity	10 ... 90 % (non-condensing)
Protection class	IP 40

Digital I/Os

Lines	1 input line 1 output line
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Conformity

Conformity	CE RoHS EAC
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Dimension drawing

