

VEXG-25C

Gigabit Ethernet, 2,3 Megapixel, Color

Article number: 11166633

Overview

- 1920 × 1200 px
- onsemi PYTHON2000
- 2/3" CMOS
- 41 fps
- Gigabit Ethernet



Picture similar



GEN*i*CAM



Technical data

Sensor information

Sensor	onsemi PYTHON2000
Mono/Color	Color
Sensor type	2/3" CMOS
Shutter type	Global shutter
Resolution	1920 × 1200 px
Pixel size	4.8 × 4.8 µm
Exposure time	0.04 ... 1000 ms

Data quality (EMVA 1288 typical)

Dark noise	10.74 e-
Saturation capacity	9367 e-
Dynamic range	58.1 dB
Signal-to-noise ratio	39.7 dB
Quantum efficiency	44.4 % @ 465 nm 49.2 % @ 536 nm 52.3 % @ 631 nm

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 1920 × 1200 px, max. 41 fps Binning 2×2, 960 × 600 px, max. 41 fps Binning 2×1, 960 × 1200 px, max. 41 fps Binning 1×2, 1920 × 600 px, max. 41 fps
Image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 1920 × 1200 px, max. 41 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
-----------------	-------------------------

Trigger sources	Hardware Software
-----------------	----------------------

Process Synchronization	Debouncer
-------------------------	-----------

Additional Functions	User Set
----------------------	----------

Internal image buffer	7 MB 1 image (Trigger Mode) 1 image (Free Running Mode)
-----------------------	---

Interfaces and connectors

Data interface	Gigabit Ethernet, Transfer rate 1000 Mb/s/sec, Fast Ethernet, Transfer Rate 100 Mb/s/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
Process interface	M8 / 4 pins (SACC-DSI-M 8MS-4CON-L180)

VEXG-25C

Gigabit Ethernet, 2,3 Megapixel, Color

Article number: 11166633

Technical data

Interfaces and connectors

Power supply via M8 / 4 pins

Mechanical data

Lens mount CS-mount

Width 29 mm

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. 2.6 W @ 12 VDC and 41 fps

Non-volatile memory

Flash memory size 128 kB

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

Conformity

Conformity CE
RoHS
EAC

Dimension drawing

