



**USB<sup>3</sup>**  
VISION **GEN*i*CAM**



#### sensor information

sensor	ON Semiconductor PYTHON2000
resolution	1920 × 1200 px
exposure time	0,02 ... 1000 ms
pixel size	4.8 × 4.8 μm
shutter type	Global shutter
sensor type	2/3" CMOS

#### acquisition formats

image formats, interface	Full Frame, 1920 × 1200 px, max. 167 fps
frame rate max.	Binning 2×2, 960 × 600 px, max. 167 fps Binning 2×1, 960 × 1200 px, max. 167 fps Binning 1×2, 1920 × 600 px, max. 167 fps
pixel formats	BayerRG8 BayerRG10 BayerRG12 BayerRG12 Packed Mono8 Mono10 Mono12 Mono12 Packed RGB8 BGR8

#### image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit)
color models	Mono Raw Bayer RGB

#### interfaces and connectors

data interface	USB 3.0, Transfer Rate 5000 Mbits/sec, Connector: USB 3.0 Micro B
process interface	M8 / 8 pins (SACC-DSI-M8MS-8CON-M8-L180)
power supply	via USB 3.0 interface

#### mechanical data

lens mount	C-mount
------------	---------

#### mechanical data

width	29 mm
height	29 mm
depth	38 mm
weight	≤ 90 g
material	zinc die casting, nickel-plated, IP 40

#### electrical data

power consumption	approx. 3,8 W @ 167 fps
operating voltage	5 VDC (via USB3.0 interface)

#### 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 2 general purpose lines
-------	--

#### conformity

conformity	CE RoHS EAC
------------	-------------------

# VCXU-25C

USB 3.0, 2,3 Megapixel, Color

Article number: 11165903

## dimension drawing

