Baumer
Passion for Sensors

Industrial cameras

VCXG-02C

Gigabit Ethernet, 0,3 Megapixel, Color
Article number: 11165843

GiGE VISION GEN<i>CAM

CE RoHS COMPLIANT KC

sensor information	
sensor	ON Semiconductor PYTHON300
resolution	640 × 480 px
exposure time	0,02 ... 1000 ms
pixel size	4.8 × 4.8 µm
shutter type	Global shutter
sensor type	1/4″ CMOS

acquisition formats	
image formats, interface frame rate max.	Full Frame, 640 × 480 px, max. 403 fps Binning 2×2, 320 × 240 px, max. 595 fps Binning 2×1, 320 × 480 px, max. 595 fps Binning 1×2, 640 × 240 px, max. 595 fps
image formats, aquisition frame rate max. (Burst Mode)	Full Frame, 640 × 480 px, max. 595 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	Gigabit Ethernet, Transfer rate 1000 Mbits/ sec, Fast Ethernet, Transfer Rate 100 Mbits/ sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 8 pins (SACC-DSI-M8MS-8CON-M8-L180)
power supply	M8 / 8 pins or PoE

mechanical data	
lens mount	C-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) 36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 2,6 W @ 12 VDC and 403,0 fps approx. 3,2 W @ 48 VDC (PoE) and 403,0 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 2 general purpose lines

conformity	
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EN/111018

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dimension drawing