



GEN<I>CAM



sensor information

sensor	ON Semiconductor PYTHON1300
type	1/2" progressive scan CMOS
resolution	1280 × 1024 px
exposure time	0,02 ... 1000 ms
pixel size	4.8 × 4.8 µm

acquisition formats

image formats, frame rate max.	Full Frame, 1280 × 1024 px, max. 94,0 fps
	Binning 2×2, 640 × 512 px, max. 145,0 fps
	Binning 2×1, 640 × 1024 px, max. 145,0 fps
	Binning 1×2, 1280 × 512 px, max. 145,0 fps
pixel formats	BayerRG8
	BayerRG10
	Mono8
	Mono10
	RGB8
	BGR8

image pre-processing

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 Mb/s/sec, Fast Ethernet, Transfer Rate 100 Mb/s/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 8 pins (SACC-DSI-M8FS-8CONM10-L180 SH)
power supply	M8 / 8 pins or PoE

mechanical data

material	zinc die casting, nickel-plated, IP 40
lens mount	C-mount
width	29 mm

mechanical data

height	29 mm
depth	49 mm
weight	≤ 120 g

electrical data

power consumption	approx. 2,6 W @ 12 VDC and 94 fps
	approx. 3,2 W @ 48 VDC (PoE) and 94 fps

environmental conditions

operating temperature	+5 ... +65 °C
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

digital I/Os

lines	1 input line
	1 output line
	2 general purpose lines

VCXG-13C

Gigabit Ethernet, 1,3 Megapixel, Color

Article number: 11164974

dimension drawing

