Baumer
Passion for Sensors

Industrial cameras

VCXG-13M

Gigabit Ethernet, 1,3 Megapixel, Monochrome
Article number: 11164973

sensor information	
sensor	ON Semiconductor PYTHON1300
resolution	1280 × 1024 px
exposure time	0,02 ... 1000 ms
pixel size	4.8 × 4.8 µm
shutter type	Global shutter
sensor type	1/2″ CMOS
acquisition formats	
image formats, interface frame rate max.	Full Frame, 1280 × 1024 px, max. 94 fps Binning 2×2, 640 × 512 px, max. 148 fps Binning 2×1, 640 × 1024 px, max. 148 fps Binning 1×2, 1280 × 512 px, max. 148 fps
image formats, aquisition frame rate max. (Burst Mode)	Full Frame, 1280 × 1024 px, max. 148 fps
pixel formats	Mono8 Mono10
image preprocessing	
analog controls	Gain (0 … 12 dB) Offset (0 … 63 LSB 10 Bit)
color models	Mono
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

mechanical data	
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 94 fps approx. 3,2 W @ 48 VDC (PoE) and 94 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	
conformity	CE RoHS KC (MISP-REI-BKR-VCXG-13M) EAC

EN/250219

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dimension drawing