Baumer
Passion for Sensors

EX series

VEXG-02M

Gigabit Ethernet, 1,3 Megapixel, Monochrome

Article number: 11151557

overview

- 640 × 480 px
- ON Semiconductor PYTHON300
- 1/4″ CMOS
- 217 fps
- Gigabit Ethernet
- available

technical data

sensor information	
sensor	ON Semiconductor PYTHON300
resolution	640 × 480 px
exposure time	0,04 … 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. 217 fps Binning 2×2, 320 × 240 px, max. 217 fps Binning 2×1, 320 × 480 px, max. 217 fps Binning 1×2, 640 × 240 px, max. 217 fps
pixel formats	Mono8 Mono10
image preprocessing	
analog controls	Gain (0 … 12 dB) Offset (0 … 63 LSB 10 Bit)
color models	Mono
camera features	
synchronization	free running trigger
trigger sources	Hardware software
internal image buffer	1 MB 1 image (Trigger Mode) 1 image (Free Running Mode)

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 / 4 pins (SACC-DSI-M 8MS-4CON-L180)
power supply	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. 2,2 W @ 12 VDC and 217 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

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conformity

conformity	CE RoHS EAC

dimension drawing