Baumer
Passion for Sensors

EX series

VEXU-24C

USB 3.0, 2,3 Megapixel, Color

Article number: 11151568

overview

- 1920 × 1200 px
- Sony IMX249
- 1/1.2" CMOS
- 38 fps
- USB 3.0
- available

Pyramid Imaging
945 East 11th Avenue Tampa, FL 33605
Phone: (813) 984-0125
Contact: Sales@ pyramidimaging.com
https://pyramidimaging.com

technical data

sensor information	
sensor	Sony IMX249
resolution	1920 × 1200 px
exposure time	0,057 … 60000 ms
pixel size	5.86 × 5.86 µm
shutter type	Global shutter
sensor type	1/1.2" CMOS
acquisition formats	
image formats, interface frame rate max.	Full Frame, 1920 × 1200 px, max. 38 fps Binning 2×2, 960 × 600 px, max. 38 fps Binning 2×1, 960 × 1200 px, max. 38 fps Binning 1×2, 1920 × 600 px, max. 38 fps
pixel formats	BayerRG8 BayerRG12
image preprocessing	
analog controls	Gain (0 … 48 dB) Offset (0 … 255 LSB 12 Bit)
color models	Raw Bayer
camera features	
synchronization	free running trigger
trigger sources	Hardware software
internal image buffer	0MB
interfaces and connectors	
data interface	USB 3.0, Transfer Rate 5000 Mbits/sec, Connector: USB 3.0 Micro B

interfaces and connectors	
process interface	M8 / 4 pins (SACC-DSI-M 8MS-4CON-L180)
power supply	via USB 3.0 interface
mechanical data	
lens mount	CS-mount
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. 1,5 W @ 38,0 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
conformity	
conformity	CE RoHS EAC

dimension drawing

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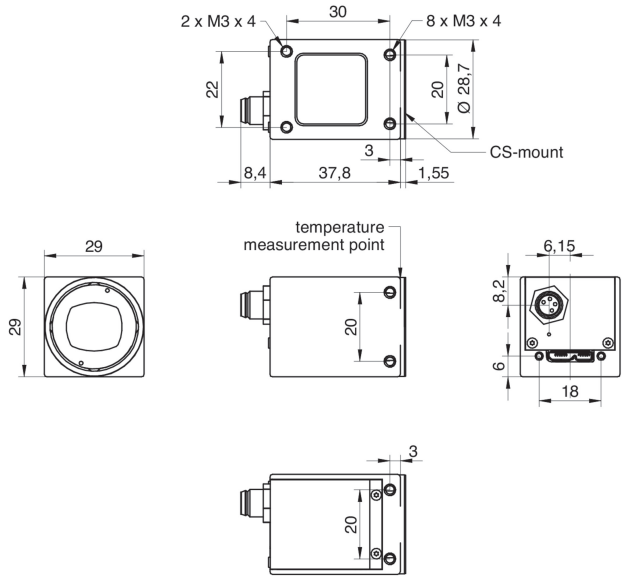

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