Baumer
Passion for Sensors

CX series

VCXG-23M

Gigabit Ethernet, 2,3 Megapixel, Monochrome

Article number: 11165941

overview

- 1920 x 1200 px
- Sony IMX174
- 1/1.2" CMOS
- 53 fps
- Gigabit Ethernet
- available

technical data

sensor information	
sensor	Sony IMX174
resolution	1920 × 1200 px
exposure time	0,035 … 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. 53 fps Binning 2×2, 960 × 600 px, max. 83 fps Binning 2×1, 960 × 1200 px, max. 83 fps Binning 1×2, 1920 × 600 px, max. 83 fps
image formats, aquisition frame rate max. (Burst Mode)	Full Frame, 1920 × 1200 px, max. 82 fps
pixel formats	Mono8 Mono10 Mono12 Mono12 Packed
image preprocessing	
analog controls	Gain (0 … 48 dB) Offset (0 … 255 LSB 12 Bit)
color models	Mono
camera features	
synchronization	free running trigger
trigger sources	Hardware software ActionCommand

camera features	
trigger delay	0 … 2 sec, tracking and buffering of up to 256 trigger signals
internal image buffer	53 MB 8 images (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 / 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, baked varnish (until 02-2020 nickel-chrome-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. 2,3 W @ 12 VDC and 53 fps approx. 2,8 W @ 48 VDC (PoE) and 53 fps

CX series

VCXG-23M

Gigabit Ethernet, 2,3 Megapixel, Monochrome

Article number: 11165941

technical data

non-volatile memory	
flash memory size	128 kB
environmental conditions	
operating temperature	0 … +65 ° @ 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 EAC

dimension drawing