

VCXG-15M.PTP

Gigabit Ethernet, 1,5 Megapixel, Monochrome

Article number: 11700944

Overview

- 1440 x 1080 px
- Sony IMX273
- 1/2.9" CMOS
- 79 fps
- Gigabit Ethernet



Picture similar



GEN<i>i>CAM



Technical data

Sensor information

Sensor	Sony IMX273 Gen2
Mono/Color	Mono
Sensor type	1/2.9" CMOS
Shutter type	Global shutter
Resolution	1440 × 1080 px
Pixel size	3.45 × 3.45 μm
Exposure time	0.001 ... 60000 ms

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 1440 × 1080 px, max. 79 fps Binning 2×2, 720 × 540 px, max. 289 fps Binning 2×1, 720 × 1080 px, max. 120 fps Binning 1×2, 1440 × 540 px, max. 120 fps
Image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 1440 × 1080 px, max. 121 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

Basic Functions	Exposure Gain Trigger / Exposure Active (Flash) Binning 2x2 Partial Scan Offset Free Running Mode (Live Image)
Auto Functions	–
Image Pre-processing	Image Flipping (X/Y) LUT / Gamma
Acquisition / Interface	Burst Mode Adjustable Framerate Short Exposure Time Enable Device Link Throughput Limit Internal Image Buffer
Synchronization	free running trigger
Trigger sources	Hardware Software ActionCommand
Trigger delay	0 ... 2 s, tracking and buffering of up to 128 trigger signals

2025-01-23 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

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Camera features

Process Synchronization	<ul style="list-style-type: none"> Events Timer Trigger Delay Debouncer Counter Sequencer Trigger via Action CMD (GigE) Action CMD Request ID Trigger ID inside Chunk Additional Output Modes (e.g. Trigger Ready) Chunk data inside transferred image Encoder support via Counter End trigger source
Time synchronization IEEE 1588	<ul style="list-style-type: none"> IEEE 1588 / Master and Slave function IEEE 1588 / Scheduled Action CMD IEEE 1588 / Synchronized Acquisition Framerate
Additional Functions	<ul style="list-style-type: none"> User Set Integrated temperature sensor Readable additional information (e.g. sensor information) Save Custom Data
Internal image buffer	<ul style="list-style-type: none"> 36 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 TYPE090 (according to GigE Vision Mechanical Supplement)
Process interface	M8 / 8 pins (SACC-DSI-M8MS-8CON-M8-L180)
Power supply	via M8/8 pins or Power over Ethernet (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	<ul style="list-style-type: none"> 12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
Power consumption	<ul style="list-style-type: none"> Approx. 2.4 W @ 12 VDC and 79 fps Approx. 2.9 W @ 48 VDC (PoE) and 79 fps

Non-volatile memory

Flash memory size	128 kB
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Environmental conditions

Operating temperature	0 ... +65 ° @ T = measurement point
Storage temperature	-20 ... +70 °C
Humidity	10 ... 90 % (non-condensing)
Protection class	IP 40 (with mounted lens and cable)

Digital I/Os

Lines	<ul style="list-style-type: none"> 1 input line 1 output line 2 general purpose lines
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Conformity

Conformity	<ul style="list-style-type: none"> CE RoHS UL recognized EAC BIS-CRS (R-41207004)
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Dimension drawing

