

overview

- 2592 x 2048 px
- ON Semiconductor PYTHON5000
- 1" CMOS
- 23 fps
- Gigabit Ethernet
- available



technical data

sensor information

sensor	ON Semiconductor PYTHON5000
resolution	2592 × 2048 px
exposure time	0,02 ... 1000 ms
pixel size	4.8 × 4.8 µm
shutter type	Global shutter
sensor type	1" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 2592 × 2048 px, max. 23 fps Binning 2×2, 1296 × 1024 px, max. 28 fps Binning 2×1, 1296 × 2048 px, max. 28 fps Binning 1×2, 2592 × 1024 px, max. 28 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 2592 × 2048 px, max. 28 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 ActionCommand
trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals

camera features

internal image buffer	122 MB 8 images (Trigger Mode) 1 image (Free Running Mode)
-----------------------	--

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mb/s/sec, Fast Ethernet, Transfer Rate 100 Mb/s/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. 2,9 W @ 12 VDC (PoE) and 23 fps approx. 3,5 W @ 48 VDC (PoE) and 23 fps

non-volatile memory

flash memory size	128 kB
-------------------	--------

VCXG-53M

Gigabit Ethernet, 5,3 Megapixel, Monochrome

Article number: 11151554

technical data

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
	KC (MISP-REI-BkR-VCXG-53M)
	EAC

dimension drawing

