

overview

- 2048 × 1536 px
- Sony IMX265
- 1/1.8" CMOS
- 39 fps
- Gigabit Ethernet
- available



technical data

sensor information

sensor	Sony IMX265
resolution	2048 × 1536 px
exposure time	0,001 ... 60000 ms
pixel size	3.45 × 3.45 µm
shutter type	Global shutter
sensor type	1/1.8" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 2048 × 1536 px, max. 39 fps Binning 2×2, 1024 × 768 px, max. 55 fps Binning 2×1, 1024 × 1536 px, max. 55 fps Binning 1×2, 2048 × 768 px, max. 55 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 2048 × 1536 px, max. 55 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
-----------------	-------------------------

camera features

trigger sources	Hardware software ActionCommand
trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
internal image buffer	72 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, nickel-plated, IP 40

electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
--------------------------	--

technical data

electrical data

power consumption	approx. 2,6 W @ 12 VDC and 39,5 fps
	approx. 3,2 W @ 48 VDC (PoE) and 39,5 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
	2 general purpose lines

conformity

conformity	CE
	RoHS
	KC (MISP-REI-BkR-VCXG-51C)
	EAC

dimension drawing

