

overview

- 5472 × 3648 px
- Sony IMX183
- 1" CMOS
- 6 fps
- Gigabit Ethernet
- available



technical data

sensor information

sensor	Sony IMX183
resolution	5472 × 3648 px
exposure time	0,115 ... 60000 ms
pixel size	2.4 × 2.4 µm
shutter type	Rolling shutter Global reset shutter
sensor type	1" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 5472 × 3648 px, max. 6 fps Binning 2×2, 2736 × 1824 px, max. 9 fps Binning 2×1, 2736 × 3648 px, max. 6 fps Binning 1×2, 5472 × 1824 px, max. 9 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 5472 × 3648 px, max. 9 fps
pixel formats	BayerRG8 BayerRG10 BayerRG12 BayerRG12 Packed Mono8 Mono10 Mono12 Mono12 Packed RGB8 BGR8

image preprocessing

analog controls	Gain (0 ... 20 dB) Offset (0 ... 255 LSB 12 Bit)
-----------------	---

image preprocessing

color models	Mono Raw Bayer RGB BGR
--------------	---------------------------------

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
internal image buffer	58 MB 1 image (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

technical data

mechanical data

depth	49 mm
weight	≤ 120 g
material	zinc die casting, nickel-plated, IP 40

electrical data

power consumption	approx. 2,5 W @ 12 VDC and 6 fps approx. 3,0 W @ 48 VDC (PoE) and 6 fps
-------------------	--

non-volatile memory

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

environmental conditions

operating temperature	+5 ... +65 °C @ T = measurement point
-----------------------	---------------------------------------

environmental conditions

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 (R-REI-BkR-VCXG-201MR) EAC
------------	--

dimension drawing

