

overview

- 1920 × 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. 81 fps Binning 2×1, 960 × 1200 px, max. 81 fps Binning 1×2, 1920 × 600 px, max. 81 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 1920 × 1200 px, max. 81 fps

pixel formats	BayerRG8 BayerRG10 BayerRG12 BayerRG12 Packed Mono8 Mono10 Mono12 Mono12 Packed RGB8 BGR8
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image preprocessing

analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)
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image preprocessing

color models	Mono Raw Bayer RGB
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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	53 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

technical data

mechanical data

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)

power consumption approx. 2,5 W @ 12 VDC and 53,5 fps
approx. 2,8 W @ 48 VDC (PoE) and 53,5 fps

non-volatile memory

flash memory size 128 kB

environmental conditions

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

dimension drawing

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
EAC

