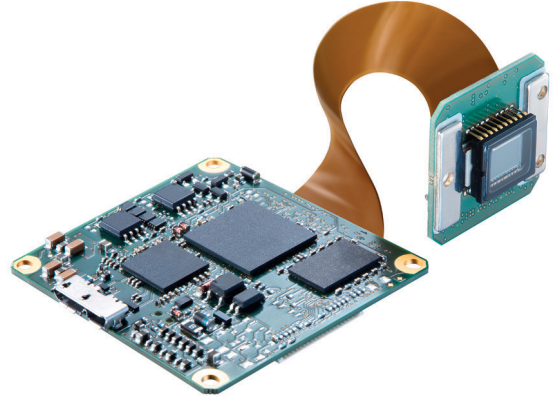


overview

- 656 × 490 px
- Sony ICX618
- 1/4" CCD
- 160 fps
- USB 3.0
- available



technical data

sensor information

sensor	Sony ICX618
resolution	656 × 490 px
pixel size	5.6 × 5.6 µm
shutter type	Global shutter
sensor type	1/4" CCD

acquisition formats

image formats, interface frame rate max.	Full Frame, 656 × 490 px, max. 160 fps
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 BGR8 YUV411_8_UYVYY YUV422_8_UYVY YUV8_UYV

image preprocessing

analog controls	Gain (0 ... 29.5 dB) Offset (0 ... 1023 LSB 14 Bit)
color models	RGB YUV Mono
color processing	Integrated color processor for high quality color calculation

camera features

synchronization	free running trigger
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camera features

trigger sources	Hardware software
trigger delay	0 ... 2 sec, tracking and buffering of up to 512 trigger signals
sequencer	Automated control for series of images using different sets of parameters
sequencer parameter	exposure time gain factor output line ROI Offset x ROI Offset y
internal image buffer	8 images

interfaces and connectors

data interface	USB 3.0, Transfer Rate 5000 Mb/s/sec, Connector: USB 3.0 Micro B
process interface	JSTBM08B-SRSS-TB 8 pins

mechanical data

lens mount	C-mount / S-mount (adapter)
width	28,5 mm (sensor print) 48 mm (system print)
height	28,5 mm (sensor print) 48 mm (system print)
weight	≤ 30 g
material	without housing

electrical data

power consumption	approx. 2,6 W @ 160,0 fps
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non-volatile memory

flash memory size	128 kB
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technical data

environmental conditions

operating temperature	Depends on the thermal encapsulation ($T_{\max} = 70\text{ °C @ Measurement Point}$)
humidity	10 ... 90 % (non-condensing)

digital I/Os

lines	1 input line 1 output line 2 general purpose lines
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conformity

conformity	CE RoHS
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dimension drawing

