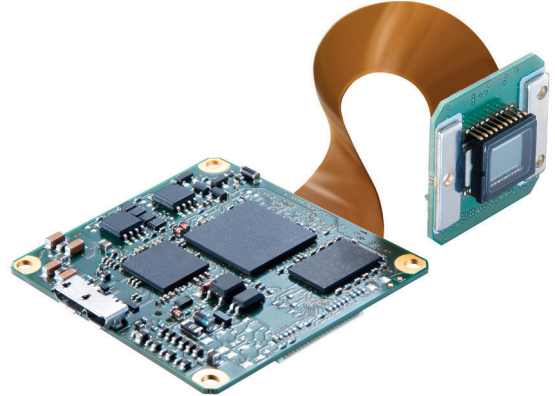


overview

- 1288 × 960 px
- Sony ICX445
- 1/3" CCD
- 42 fps
- USB 3.0
- available



technical data

sensor information		camera features	
sensor	Sony ICX445	trigger sources	Hardware software
resolution	1288 × 960 px	trigger delay	0 ... 2 sec, tracking and buffering of up to 512 trigger signals
pixel size	3.75 × 3.75 µm	sequencer	Automated control for series of images using different sets of parameters
shutter type	Global shutter	sequencer parameter	exposure time gain factor output line ROI Offset x ROI Offset y
sensor type	1/3" CCD	internal image buffer	8 images
acquisition formats		interfaces and connectors	
image formats, interface frame rate max.	Full Frame, 1288 × 960 px, max. 42 fps	data interface	USB 3.0, Transfer Rate 5000 Mb/s/sec, Connector: USB 3.0 Micro B
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 BGR8 YUV411_8_UYVYY YUV422_8_UYVY YUV8_UYV	process interface	JSTBM08B-SRSS-TB 8 pins
image preprocessing		mechanical data	
analog controls	Gain (0 ... 29.5 dB) Offset (0 ... 1023 LSB 14 Bit)	lens mount	C-mount / S-mount (adapter)
color models	RGB YUV Mono	width	28,5 mm (sensor print) 48 mm (system print)
color processing	Integrated color processor for high quality color calculation	height	28,5 mm (sensor print) 48 mm (system print)
camera features		weight	≤ 30 g
synchronization	free running trigger	material	without housing
		electrical data	
		power consumption	approx. 2,9 W @ 42,0 fps
		non-volatile memory	
		flash memory size	128 kB

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

