

overview

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



technical data

sensor information		camera features	
sensor	Sony ICX618	trigger sources	Hardware software
resolution	656 × 490 px	trigger delay	0 ... 2 sec, tracking and buffering of up to 512 trigger signals
exposure time	0,004 ... 60000 ms	sequencer	Automated control for series of images using different sets of parameters
pixel size	5.6 × 5.6 µm	sequencer parameter	exposure time gain factor output line ROI Offset x ROI Offset y
shutter type	Global shutter	digital inputs	1 input line
sensor type	1/4" CCD	digital outputs	3 output lines
acquisition formats		internal image buffer	120 MB
image formats, interface	Full Frame, 656 × 490 px, max. 160 fps	interfaces and connectors	
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 BGR8 YUV411_8_UYVYY YUV422_8_UYVY YUV8_UYV	data interface	USB 3.0, Transfer Rate 5000 Mb/s/sec, Connector: USB 3.0 Micro B
image preprocessing		process interface	M8 / 8 pins (SACC-DSI-M8FS-8CONM10-L180 SH)
analog controls	Gain (0 ... 29 dB) Offset (0 ... 1023 LSB 14 Bit)	power supply	via USB 3.0 interface
color models	RGB YUV Mono	mechanical data	
color processing	Integrated color processor for high quality color calculation	lens mount	C-mount
camera features		width	33 mm
synchronization	free running trigger	height	33 mm
		depth	48 mm
		weight	≤ 140 g
		material	zinc die casting, nickel-plated, IP 40

technical data

electrical data

power consumption approx. 2,6 W @ 160,0 fps

non-volatile memory

flash memory size 128 kB

environmental conditions

operating temperature +5 ... +50 °C

humidity 10 ... 90 % (non-condensing)

environmental conditions

protection class IP 40

digital I/Os

lines 1 input line
3 output lines

conformity

conformity CE
RoHS

dimension drawing

