



### 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 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

### image preprocessing

analog controls	Gain (0 ... 26 dB) Offset (0 ... 1023 LSB 14 Bit)
color models	RGB YUV Mono
color processing	Integrated color processor for high quality color calculation

### 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)
process interface	JSTBM08B-SRSS-TB 8 pins
power supply	JSTBM03B-SRSS-TB 3 pins

### mechanical data

lens mount	C-mount / S-mount (adapter)
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### mechanical data

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

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 3,4 W @ 12 VDC and 160,0 fps approx. 3,7 W @ 48 VDC (PoE) and 160,0 fps

### non-volatile memory

flash memory size	128 kB
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### environmental conditions

operating temperature	Depends on the thermal encapsulation (T <sub>max</sub> = 70 °C @ Measurement Point)
humidity	10 ... 90 % (non-condensing)

### digital I/Os

lines	1 input line 3 output lines
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### conformity

conformity	CE RoHS EAC
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**dimension drawing**

