



**GEN<i>i</i>CAM**



### sensor information

sensor	Sony ICX274
type	1/1.8" progressive scan CCD
resolution	1624 × 1228 px
pixel size	4.4 × 4.4 μm

### acquisition formats

image formats, frame rate max.	Full Frame, 1624 × 1228 px, max. 27,0 fps
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

### image pre-processing

analog controls	Gain (0 ... 29 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 Mbits/sec, Fast Ethernet, Transfer Rate 100 Mbits/sec, Connector: 8P8C Modular Jack (RJ45)
process interface	JSTBM08B-SRSS-TB 8 pins
power supply	JSTBM03B-SRSS-TB 3 pins

### mechanical data

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

### mechanical data

height	28,5 mm (sensor print) 48 mm (system print)
weight	≤ 30 g

### electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 4,3 W @ 12 VDC and 27,0 fps approx. 4,7 W @ 48 VDC (PoE) and 27,0 fps

### 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
-------	--------------------------------

### dimension drawing

