



GEN<i>i</i>CAM



sensor information

sensor	Sony ICX445
type	1/3" progressive scan CCD
resolution	1288 × 960 px
pixel size	3.75 × 3.75 μm

acquisition formats

image formats, frame rate max.	Full Frame, 1288 × 960 px, max. 42,0 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)
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weight	≤ 30 g
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electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 3,6 W @ 12 VDC and 42,0 fps approx. 3,8 W @ 48 VDC (PoE) and 42,0 fps

environmental conditions

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

digital I/Os

lines	1 input line 3 output lines
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dimension drawing

