



GEN*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 Mono12 Mono12 Packed

image pre-processing

analog controls	Gain (0 ... 26 dB) Offset (0 ... 1023 LSB 14 Bit)
color models	Mono

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mb/Sec, Fast Ethernet, Transfer Rate 100 Mb/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)
height	28,5 mm (sensor print) 48 mm (system print)
weight	≤ 30 g

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	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

