



USB
VISION 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 BayerRG8 BayerRG12 RGB8 BGR8 YUV411_8_UYVYVY YUV422_8_UYVY YUV8_UYV

image pre-processing

analog controls	Gain (0 ... 29.5 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	USB 3.0, Transfer Rate 5000 Mbits/sec, Connector: USB 3.0 Micro B
process interface	JSTBM08B-SRSS-TB 8 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)

mechanical data

weight	≤ 30 g
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electrical data

power consumption	approx. 2,9 W @ 42,0 fps
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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 1 output line 2 general purpose lines
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dimension drawing

