



**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 <sub>max</sub> = 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

