



**USB**  
VISION GEN*i*CAM



#### sensor information

sensor	CMOSIS CMV4000 V3
type	1" progressive scan CMOS
resolution	2044 × 2044 px
pixel size	5.5 × 5.5 μm

#### acquisition formats

image formats, frame rate max.	Full Frame, 2044 × 2044 px, max. 29,0 fps
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 BGR8 YUV411_8_UYVYVY YUV422_8_UYVY YUV8_UYV

#### image pre-processing

analog controls	Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 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. 2,6 W @ 29,0 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

