



USB
VISION **GEN*i*CAM**



sensor information

sensor	Sony ICX445
type	1/3" progressive scan CCD, Exview HAD technology
resolution	1288 × 960 px
exposure time	0,004 ... 60000 ms
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_UYVY 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	M8 / 8 pins (SACC-DSI-M8FS-8CONM10-L180 SH)
power supply	via USB 3.0 interface

mechanical data

material	zinc die casting, nickel-plated, IP 40
lens mount	C-mount

mechanical data

width	33 mm
height	33 mm
depth	48 mm
weight	≤ 140 g

electrical data

power consumption approx. 2,9 W @ 42,0 fps

environmental conditions

operating temperature	+5 ... +50 °C
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

digital I/Os

lines	1 input line 3 output lines
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dimension drawing

