



**USB**  
VISION GEN*i*CAM



#### sensor information

sensor	Sony ICX618
type	1/4" progressive scan CCD, Exview HAD technology
resolution	656 × 490 px
exposure time	0,004 ... 60000 ms
pixel size	5.6 × 5.6 μm

#### acquisition formats

image formats, frame rate max.	Full Frame, 656 × 490 px, max. 160,0 fps
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 BGR8 YUV411_8_UYVYVY YUV422_8_UYVY YUV8_UYV

#### image pre-processing

analog controls	Gain (0 ... 29 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. 2,6 W @ 160,0 fps
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#### 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

