



USB
VISION **GEN<i>i</i>CAM**



sensor information

sensor	CMOSIS CMV300
type	1/3" progressive scan CMOS
resolution	640 × 480 px
exposure time	0,015 ... 1000 ms
pixel size	7.4 × 7.4 μm

acquisition formats

image formats, frame rate max.	Full Frame, 640 × 480 px, max. 376,0 fps
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 BGR8 YUV411_8_UYVYY 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	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
width	33 mm

mechanical data

height	33 mm
depth	48 mm
weight	≤ 140 g

electrical data

power consumption	approx. 2,3 W @ 376,0 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

