



USB³
VISION **GEN*i*CAM**



sensor information

sensor	Sony ICX834AL
resolution	4248 × 2832 px
exposure time	0,004 ... 60000 ms
pixel size	3.1 × 3.1 μm
shutter type	Global shutter
sensor type	1" CCD

acquisition formats

image formats, interface	Full Frame, 4248 × 2832 px, max. 13 fps Binning 2×2, 2124 × 1416 px, max. 24 fps
frame rate max.	
pixel formats	Mono8 Mono12 Mono12 Packed Mono16

image preprocessing

analog controls	Gain (0 ... 20 dB) Offset (0 ... 1023 / 1 step=4 LSB 16 Bit)
color models	Mono

interfaces and connectors

data interface	USB 3.0, Transfer Rate 5000 Mbits/sec, Connector: USB 3.0 Micro B
process interface	M8 / 8 pins
power supply	M8 / 8 pins

mechanical data

lens mount	C-mount
width	45 mm
height	45 mm
depth	47 mm
weight	≤ 153 g
material	housing: aluminum

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	
power consumption	approx. 5,6 W @ 24 VDC

non-volatile memory

flash memory size	128 kB
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environmental conditions

operating temperature	+5 ... +65 °C
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

conformity

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dimension drawing

