



USB³
VISION **GEN*i*CAM**



sensor information

| | |
|---------------|--------------------|
| sensor | Sony ICX694AL |
| resolution | 2752 × 2200 px |
| exposure time | 0,004 ... 60000 ms |
| pixel size | 4.54 × 4.54 μm |
| shutter type | Global shutter |
| sensor type | 1" CCD |

acquisition formats

| | |
|--------------------------|---|
| image formats, interface | Full Frame, 2752 × 2200 px, max. 25 fps Binning 2×2, 1376 × 1100 px, max. 44 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

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|-------------------|--|
| voltage supply | 12 ... 24 V DC (external power supply) |
| range +Vs | |
| power consumption | approx. 5,0 W @ 24 VDC |

non-volatile memory

| | |
|-------------------|--------|
| flash memory size | 128 kB |
|-------------------|--------|

environmental conditions

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|-----------------------|------------------------------|
| operating temperature | +5 ... +70 °C |
| humidity | 10 ... 90 % (non-condensing) |
| protection class | IP 40 |

conformity

| | |
|------------|-------------------|
| conformity | CE RoHS EAC |
|------------|-------------------|

dimension drawing

