



sensor information

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|---------------|----------------------|
| sensor | ams (CMOSIS) CMV4000 |
| resolution | 2048 × 2048 px |
| exposure time | 0,02 ... 1000 ms |
| color filter | RGB Bayer Mosaic |
| pixel size | 5.5 × 5.5 µm |
| shutter type | Global shutter |
| sensor type | 1" CMOS |

acquisition formats

| | |
|--------------------------|--|
| image formats, interface | Full Frame, 2048 × 2048 px, max. 180 fps |
| frame rate max. | |
| pixel formats | BayerGB8 BayerGB10 BayerGB12 |

image preprocessing

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|-----------------|--|
| analog controls | Gain (0 ... 12 dB) Offset (0 ... 255 LSB) |
| color models | Raw Bayer |

interfaces and connectors

| | |
|-------------------|--|
| data interface | Camera Link® Full, connector: 2 x Standard SDR26 (Mini CL) |
| process interface | M8 / 8 pins |
| power supply | M8 / 3 pins |

mechanical data

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|------------|------------------------------|
| lens mount | C-mount (F-mount on request) |
| width | 52 mm |
| height | 52 mm |
| depth | 37 mm |
| weight | ≤ 185 g |
| material | housing: aluminum |

electrical data

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|-------------------|-----------------|
| voltage supply | 9,6 ... 30 V DC |
| range +Vs | |
| power consumption | approx. 5,5 W |

environmental conditions

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|-----------------------|------------------------------|
| operating temperature | +5 ... +60 °C |
| humidity | 10 ... 90 % (non-condensing) |
| protection class | IP 40 |

conformity

| | |
|------------|---|
| conformity | CE RoHS FCC KC (MISP-REI-BkR-HXC40) EAC |
|------------|---|

dimension drawing

