



### sensor information

|               |                        |
|---------------|------------------------|
| sensor        | CMOSIS CMV4000         |
| type          | 1" global shutter CMOS |
| resolution    | 2048 × 2048 px         |
| exposure time | 0,02 ... 1000 ms       |
| pixel size    | 5.5 × 5.5 µm           |

### acquisition formats

|                                   |  |
|-----------------------------------|--|
| image formats,<br>frame rate max. | Full Frame, 2048 × 2048 px, max. 180,0 fps<br>Binning 2×1, 1024 × 2048 px, max. 180,0 fps<br>Subsampling 2×2, 1024 × 1024 px, max. 357,0 fps |
| pixel formats                     | Mono8<br>Mono10<br>Mono12  |

### image pre-processing

|                 |  |
|-----------------|--|
| analog controls | Gain (0 ... 12 dB)<br>Offset (0 ... 255 LSB) |
| color models    | Mono   |

### 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

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

### electrical data

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

### environmental conditions

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

### dimension drawing

