



sensor information

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|---------------|---------------------------|
| sensor | CMOSIS CMV12000 |
| type | APS-C global shutter CMOS |
| resolution | 4096 × 3072 px |
| exposure time | 0,02 ... 1000 ms |
| pixel size | 5.5 × 5.5 μm |

acquisition formats

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|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| image formats, frame rate max. | Full Frame, 4096 × 3072 px, max. 63,0 fps Binning 2×2, 2048 × 1536 px, max. 63,0 fps Binning 1×2, 4096 × 1536 px, max. 63,0 fps Binning 2×1, 2048 × 3072 px, max. 63,0 fps |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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|---------------|-----------------|
| pixel formats | Mono8 Mono10 |
|---------------|-----------------|

image pre-processing

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|-----------------|----------------------------------------------------|
| analog controls | Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit) |
|-----------------|----------------------------------------------------|

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|--------------|------|
| color models | Mono |
|--------------|------|

interfaces and connectors

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

mechanical data

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|------------|-----------------------------------------------|
| material | housing: aluminum |
| lens mount | M58-mount (F-mount, M42, C-mount via adapter) |
| width | 60 mm |
| height | 60 mm |
| depth | 47,95 mm |
| weight | ≤ 235 g (M58-mount) |

electrical data

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|--------------------------|--------------------------------------------------------------|
| voltage supply range +Vs | 12 ... 24 V DC (external power supply) 38 ... 57 V (PoCL) |
|--------------------------|--------------------------------------------------------------|

electrical data

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|-------------------|---------------------------------------------------------|
| power consumption | approx. 6,5 W @ 24 VDC approx. 6,5 W @ 12 VDC (PoCL) |
|-------------------|---------------------------------------------------------|

environmental conditions

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

dimension drawing

