



sensor information

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|--------------|----------------------|
| sensor | ams (CMOSIS) CMV4000 |
| resolution | 2040 × 2044 px |
| pixel size | 5.5 × 5.5 μm |
| shutter type | Global shutter |
| sensor type | 1" CMOS |

acquisition formats

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|--|---|
| image formats, interface frame rate max. | Full Frame, 2040 × 2044 px, max. 29 fps |
| pixel formats | Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed |

image preprocessing

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|------------------|---|
| analog controls | Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 Bit) |
| color models | RGB YUV Mono |
| color processing | Integrated color processor for high quality color calculation |

interfaces and connectors

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|-------------------|---|
| data interface | Gigabit Ethernet, Transfer rate 1000 Mb/s/sec, Fast Ethernet, Transfer rate 100 Mb/s/sec, Connector: 8P8C Modular Jack (RJ45) |
| process interface | JSTBM08B-SRSS-TB 8 pins |
| power supply | JSTBM03B-SRSS-TB 3 pins |

mechanical data

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|------------|-----------------------------|
| lens mount | C-mount / S-mount (adapter) |
|------------|-----------------------------|

mechanical data

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|----------|--|
| width | 28,5 mm (sensor print) 48 mm (system print) |
| height | 28,5 mm (sensor print) 48 mm (system print) |
| weight | ≤ 30 g |
| material | without housing |

electrical data

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|-------------------|--|
| voltage supply | 12 ... 24 V DC (external power supply) |
| range +Vs | 36 ... 57 V DC (Power over Ethernet) |
| power consumption | approx. 3,6 W @ 12 VDC and 29,0 fps approx. 3,7 W @ 48 VDC (PoE) and 23,5 fps |

non-volatile memory

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

environmental conditions

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|-----------------------|--|
| operating temperature | Depends on the thermal encapsulation (T _{max} = 70 °C @ Measurement Point) |
| humidity | 10 ... 90 % (non-condensing) |

digital I/Os

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|-------|--------------------------------|
| lines | 1 input line 3 output lines |
|-------|--------------------------------|

conformity

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

dimension drawing

