

LXC-40C

Camera Link, 4 Megapixel, Color

Article number: 11148661

Overview

- 2048 × 2048 px
- ams (CMOSIS) CMV4000 V3
- 1" CMOS
- 180 fps
- Camera Link Full
- Phase-Out starting 08/20, alternative via sales



GEN*i*CAM



Technical data

Sensor information

| | |
|---------------|-------------------------|
| Sensor | ams (CMOSIS) CMV4000 V3 |
| Resolution | 2048 × 2048 px |
| Exposure time | 0,03 ... 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 frame rate max. | Full Frame, 2048 × 2048 px, max. 180 fps |
| Pixel formats | BayerGB8 BayerGB10 |

Image preprocessing

| | |
|------------------|--|
| Analog controls | Gain (0 ... 12 dB) Offset (0 ... 63 LSB 10 Bit) |
| Color models | Raw Bayer |
| Color processing | NA |

Camera features

| | |
|-----------------|---|
| Synchronization | free running trigger |
| Trigger sources | Hardware Software |
| Trigger delay | 0 ... 2 sec, tracking and buffering of up to 512 trigger signals |
| Sequencer | Automated control for series of images using different sets of parameters |

Camera features

| | |
|-----------------------|--|
| Sequencer parameter | Exposure time gain factor Output ROI Offset x ROI Offset y |
| Digital inputs | 1 input line |
| Digital outputs | 1 output line |
| Internal image buffer | 256 MB |

Interfaces and connectors

| | |
|-------------------|---|
| Data interface | Camera Link Full, connector: 2 x Standard SDR26 (Mini CL) |
| Process interface | M8 / 8 pins |
| Power supply | via M8 / 8 pins |

Mechanical data

| | |
|------------|-------------------|
| Lens mount | C-mount |
| Width | 60 mm |
| Height | 60 mm |
| Depth | 43,05 mm |
| Weight | ≤ 285 g |
| Material | housing: aluminum |

Electrical data

| | |
|--------------------------|---|
| Voltage supply range +Vs | 12 ... 24 V DC (external power supply) 0 ... 12 V (PoCL) |
| Power consumption | approx. 3,8 W @ 24 VDC approx. 3,8 W @ 12 VDC (PoCL) |

Non-volatile memory

| | |
|-------------------|--------|
| Flash memory size | 128 kB |
|-------------------|--------|

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Environmental conditions

| | |
|-----------------------|---------------------------------------|
| Operating temperature | +5 ... +64 °C @ T = measurement point |
| Humidity | 10 ... 90 % (non-condensing) |
| Protection class | IP 40 |

Conformity

| | |
|------------|------|
| Conformity | CE |
| | RoHS |
| | EAC |

Dimension drawing

