Baumer
Passion for Sensors

MX series

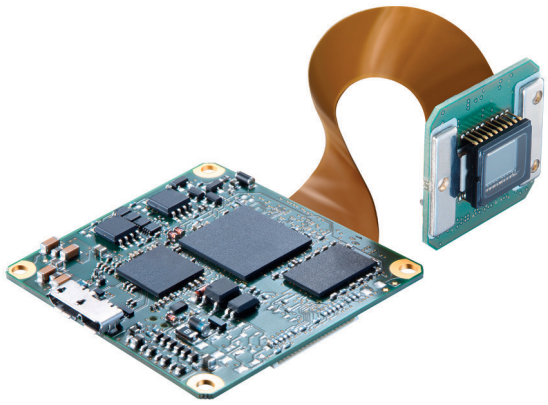
# MXUC20c

USB 3.0, 2 Megapixel, Color

Article number: 11115781

## overview

- 2044 × 1084 px
- ams (CMOSIS) CMV2000
- 2/3″ CMOS
- 55 fps
- USB 3.0
- available



## technical data

| | |
|---|---|
| **sensor information** | |
| sensor | ams (CMOSIS) CMV2000 |
| resolution | 2044 × 1084 px |
| pixel size | 5.5 × 5.5 µm |
| shutter type | Global shutter |
| sensor type | 2/3″ CMOS |
| **acquisition formats** | |
| image formats, interface frame rate max. | Full Frame, 2044 × 1084 px, max. 55 fps |
| pixel formats | Mono8<br>BayerRG8<br>BayerRG12<br>RGB8<br>BGR8<br>YUV411_8_UYYVYY<br>YUV422_8_UYVY<br>YUV8_UYV |
| **image preprocessing** | |
| analog controls | Gain (0 …18 dB)<br>Offset (0 … 255 LSB 12 Bit) |
| color models | RGB<br>YUV<br>Mono |
| color processing | Integrated color processor for high quality color calculation |
| **camera features** | |
| synchronization | free running<br>trigger |

| | |
|---|---|
| **camera features** | |
| trigger sources | Hardware<br>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 |
| sequencer parameter | exposure time<br>gain factor<br>output line<br>ROI Offset x<br>ROI Offset y |
| internal image buffer | 8 images |
| **interfaces and connectors** | |
| data interface | USB 3.0, Transfer Rate 5000 Mbits/sec, Connector: USB 3.0 Micro B |
| process interface | JSTBM08B-SRSS-TB 8 pins |
| **mechanical data** | |
| lens mount | C-mount / S-mount (adapter) |
| width | 28,5 mm (sensor print)<br>48 mm (system print) |
| height | 28,5 mm (sensor print)<br>48 mm (system print) |
| weight | ≤ 30 g |
| material | without housing |
| **electrical data** | |
| power consumption | approx. 2,6 W @ 55,0 fps |
| **non-volatile memory** | |
| flash memory size | 128 kB |

2019-11-27 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

MX series

# MXUC20c

USB 3.0, 2 Megapixel, Color

Article number: 11115781

## technical data

### environmental conditions

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

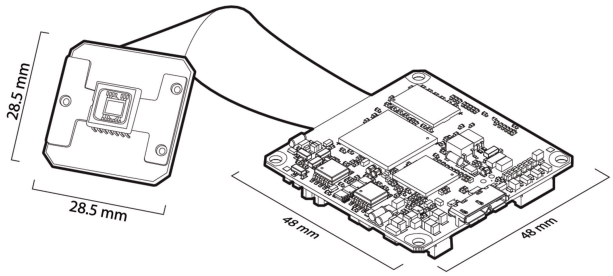
### digital I/Os

| | |
|---|---|
| lines | 1 input line<br>1 output line<br>2 general purpose lines |

### conformity

| | |
|---|---|
| conformity | CE<br>RoHS |

## dimension drawing




2019-11-27 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.