

# EoSens CoaXPress- 12

EoSens1.1MCX12-FM



## Allgemein

|               |                     |
|---------------|---------------------|
| Modell:       | EoSens1.1MCX12-FM   |
| Produktcode:  | F006002             |
| Produktserie: | EoSens CoaXPress-12 |
| Status:       | Available           |

## Sensor

|                               |                                  |
|-------------------------------|----------------------------------|
| Sensortyp:                    | Area scan                        |
| Chroma:                       | Mono                             |
| Spektrum:                     | Visible                          |
| Spektralbereich:              | 400 nm to 1000 nm                |
| Auflösung:                    | 1,280 × 864 (1.10 MP)            |
| Sensormodell:                 | Luxima LUX13HS                   |
| Sensorarchitektur (Material): | cmos                             |
| Verschlusstyp(en):            | global-shutter                   |
| Sensorgröße:                  | 17.54 × 11.84 mm (21.16 mm, 4/3) |
| Pixelgröße:                   | 13.70 µm × 13.70 µm              |

## Pixelformate

|                          |               |
|--------------------------|---------------|
| Sensor-Bittiefe:         | 8-Bit,10-Bit  |
| Monochrome Pixelformate: | mono8, mono10 |

## Timing und Verstärkung

|                         |  |
|-------------------------|--|
| Max. Bildrate:          | 3674 fps   |
| Max. Bildrate ROI-Modi: | 1280 x 864   3674 fps, 1280 x 768   4151 fps, 640 x 480   6576 fps, 128 x 128   23821 fps, x   224673 fps, |
| Belichtungszeit:        | 2 µs to 1 s  |
| Verstärkung:            | 0.0 dB to 18.0 dB  |

## I/Os und Stromversorgung

|  |   |
|--|---|
| Nicht-isolierte Leitungen:             | 0 x LVDS input, 0 x LVDS output, 0 x TTL input, 0 x TTL output, 2 x 24V input, 0 x Open drain output, |
| Spezifische nicht-isolierte Leitungen: | 0 x RS232 input, 0 x RS232 output, 0 x RS422 input, 0 x RS422 output,                                 |
| Optisch isolierte Leitungen:           | 0 x Optical isolated input, 0 x Optical isolated input,   |
| I/O-Anschluss:                         | 2   |
| Stromversorgung:                       | 12 to 24VDC, Power over CoaXPRESS   |
| Stromverbrauch:                        | External: 14 W (typical)  |

## Mechanische Eigenschaften

|                                       |              |
|---------------------------------------|--------------|
| Gehäuseabmessungen (L x B x H in mm): | 83 × 80 × 80 |
| IP-Klasse:                            | IP30         |
| Objektivanschluss/-anschlüsse:        | F-Mount      |
| Gewicht:                              | 550 g        |

## Schnittstellen

|                          |                           |
|--------------------------|---------------------------|
| Digitale Schnittstelle:  | cxp-12 with 4 connections |
| Schnittstellenanschluss: | (micro-BNC)               |

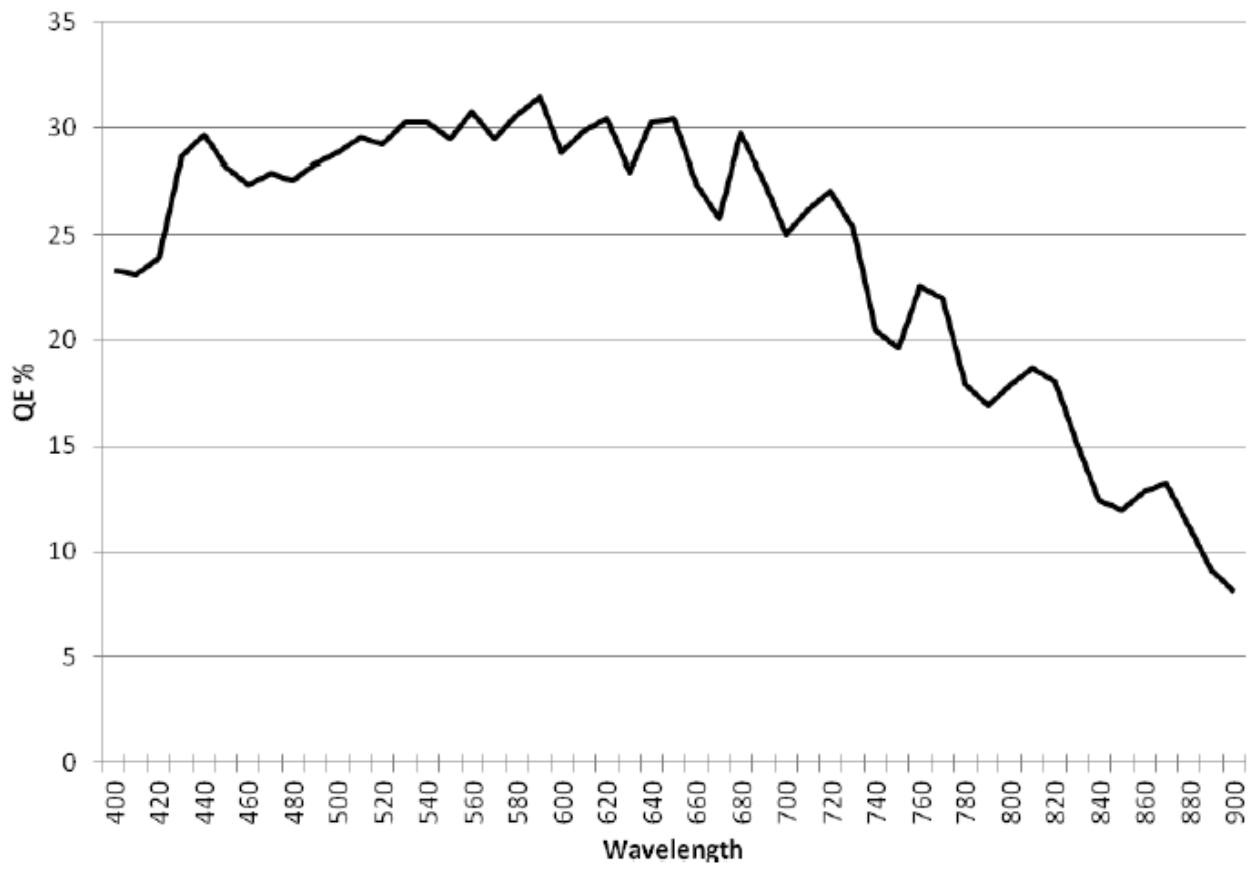
## FW-Funktionen – Bildsteuerung

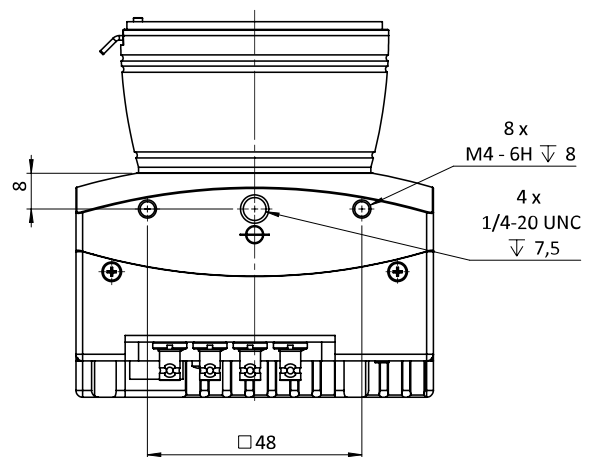
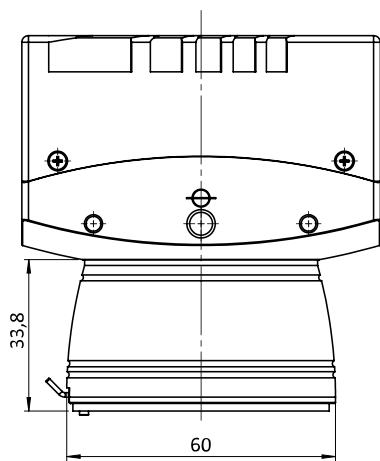
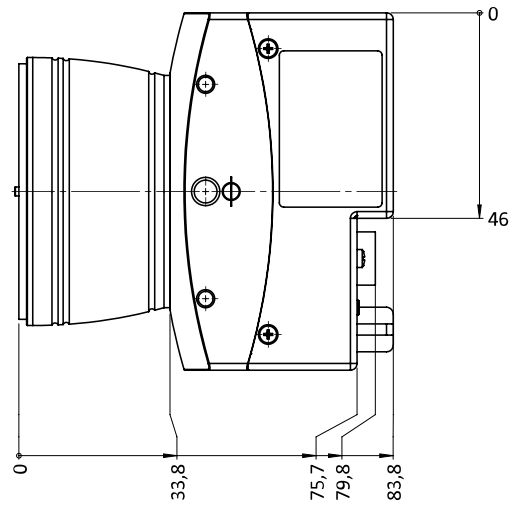
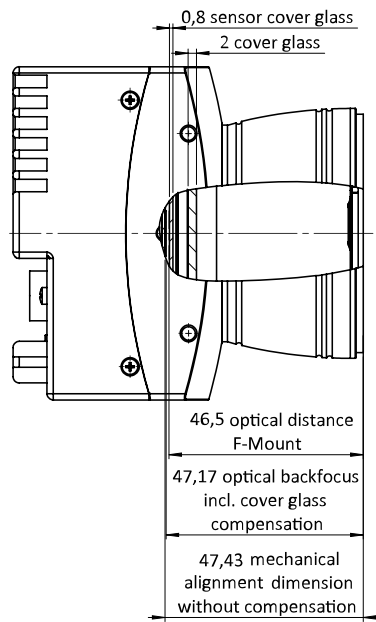
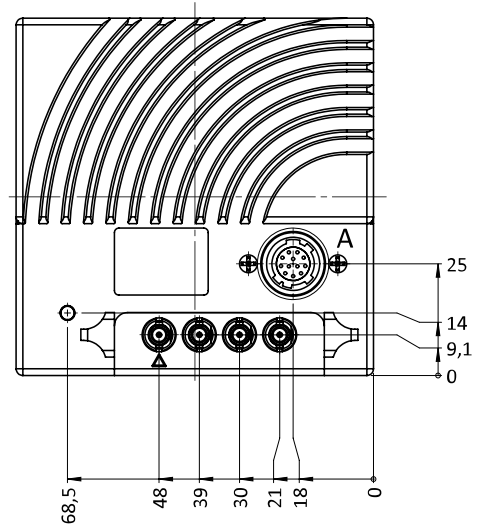
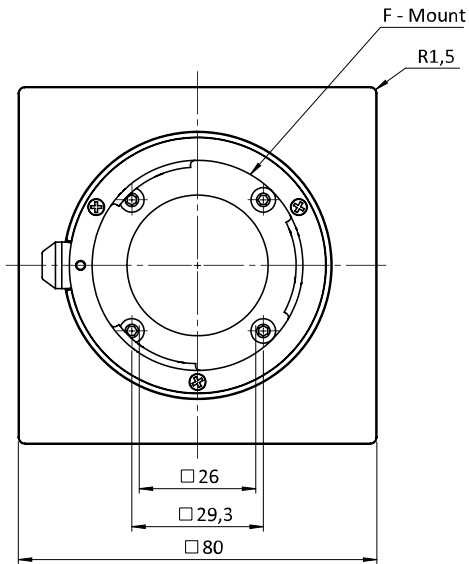
|                           |                             |
|---------------------------|-----------------------------|
| Belichtungsmodi:          | external                    |
| Verstärkungsmodi:         | Digital, Analog             |
| Weißabgleichmodi:         | true                        |
| Bildsteuerungsfunktionen: | FW Features - Image Control |

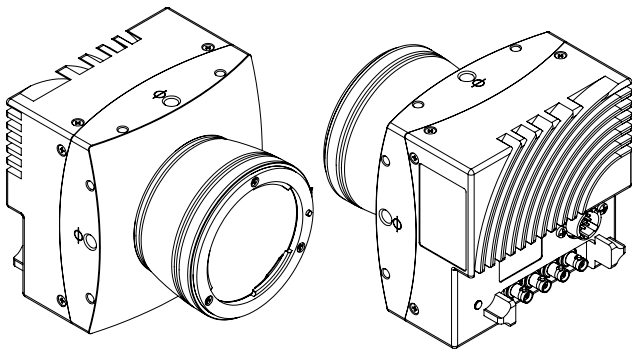
## FW-Funktionen – Kamerasteuerung

|                              |                                  |
|------------------------------|----------------------------------|
| Triggermodi/Synchronisation: | External TTL Signal, CXP-Trigger |
|------------------------------|----------------------------------|

# Quanteneffizienz







## I/O-Pin-Belegung

|  | Pin    | Signal          | Pin | Signal |
|--|--------|-----------------|-----|--------|
|  | 1 + 12 | GND             | 6   | IN0    |
|  | 2 + 11 | VCC<br>(12-24V) | 7   | IO_GND |
|  | 3      | IO_GND          | 8   | OUT1   |
|  | 4      | OUT0            | 9   | IO_GND |
|  | 5      | IO_GND          | 10  | IN1    |