



# EoSens CoaXPress-12

EoSens2.0CCX12-CM

## Allgemein

|              |                     |
|--------------|---------------------|
| Modell       | EoSens2.0CCX12-CM   |
| Produktcode  | F006009             |
| Produktserie | EoSens CoaXPress-12 |
| Status       | Available           |

## Sensor

|                              |                                     |
|------------------------------|-------------------------------------|
| Sensortyp                    | Area scan                           |
| Chroma                       | Color                               |
| Spektrum                     | Visible                             |
| Spektralbereich              | 400 nm to 1000 nm                   |
| Auflösung                    | 1,920 × 1,080 (2.00 MP)             |
| Sensormodell                 | Luxima Lux19HS                      |
| Sensorarchitektur (Material) | cmos                                |
| Verschlusstyp(en)            | Global shutter (GS)                 |
| Sensorgröße                  | 19.2 × 10.8 mm (22.03 mm, Type 4/3) |
| Pixelgröße                   | 10.00 µm × 10.00 µm                 |

## Pixelformate

|                  |                 |
|------------------|-----------------|
| Sensor-Bittiefe  | 8-bit, 10-bit   |
| RGB-Pixelformate | bayer8, bayer10 |

## Timing und Verstärkung

|                        |                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Max. Bildrate          | 2247 fps                                                                                                                           |
| Max. Bildrate ROI-Modi | 1920 x 1080   2247 fps, 1024 x 768   3152 fps, 640 x 480   5020 fps, 128 x 128   18177 fps, 1920 x 8   170578 fps, x   170575 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                         | 12-pin Hirose HR10A-10P-12S                                                                           |
| Stromversorgung                       | 12 to 24VDC, Power over CoaXPress                                                                     |
| Stromverbrauch                        | External: 13 W (typical)                                                                              |

## Betriebsbedingungen

|                              |                 |
|------------------------------|-----------------|
| Betriebstemperatur (Gehäuse) | -10 °C to 65 °C |
|------------------------------|-----------------|

## Mechanische Eigenschaften

|                                      |              |
|--------------------------------------|--------------|
| Gehäuseabmessungen (L x B x H in mm) | 55 × 80 × 80 |
| IP-Klasse                            | IP30         |
| Objektivanschluss/-anschlüsse        | C-Mount      |
| Gewicht                              | 500 g        |

## Schnittstellen

|                         |                           |
|-------------------------|---------------------------|
| Digitale Schnittstelle  | cxp-12 with 4 connections |
| Schnittstellenanschluss | (micro-BNC)               |
| Vision-Standard         | CoaXPress 2.0             |

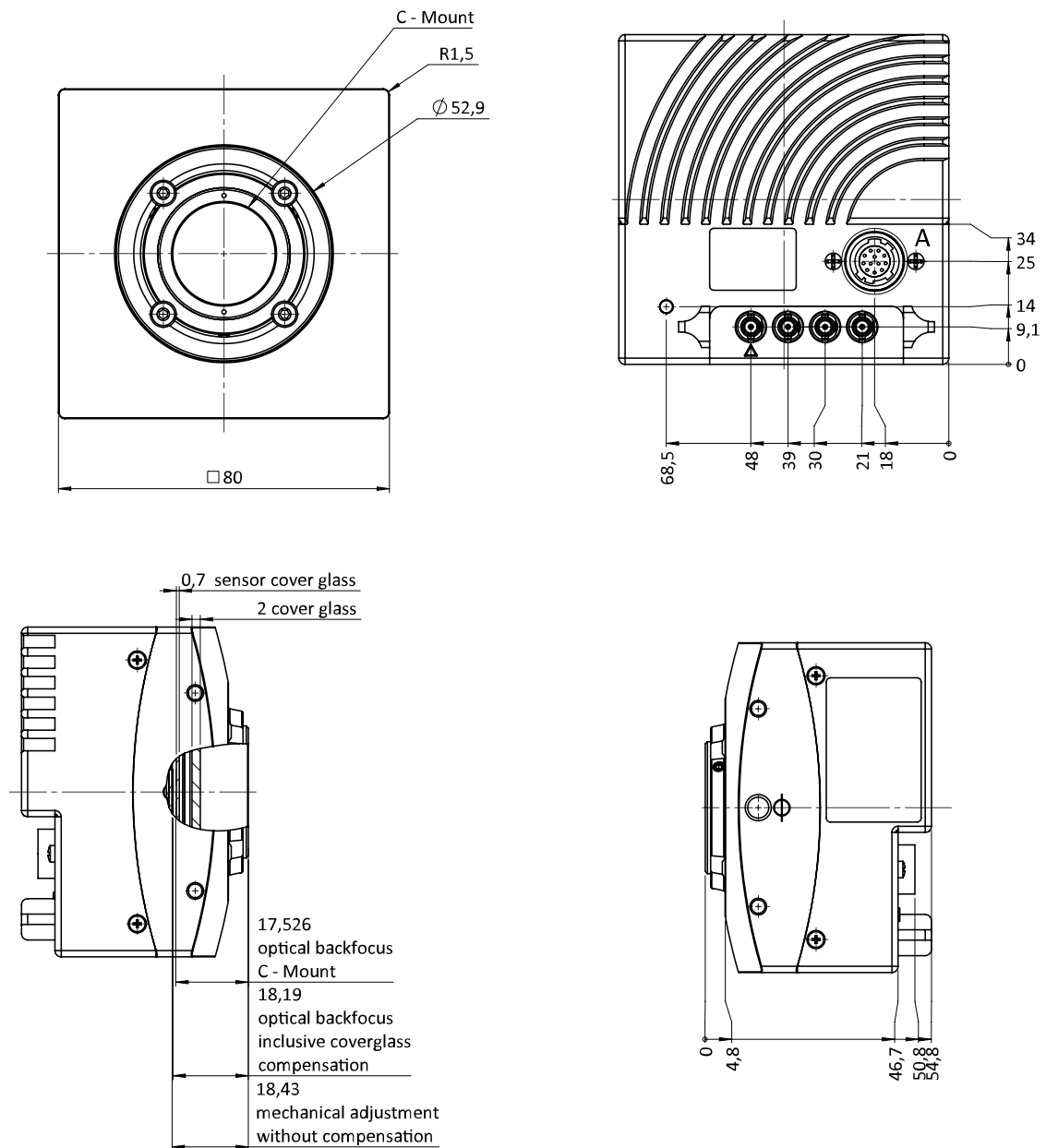
## FW-Funktionen – Bildsteuerung

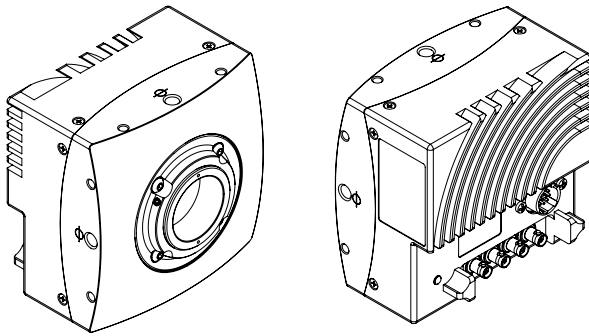
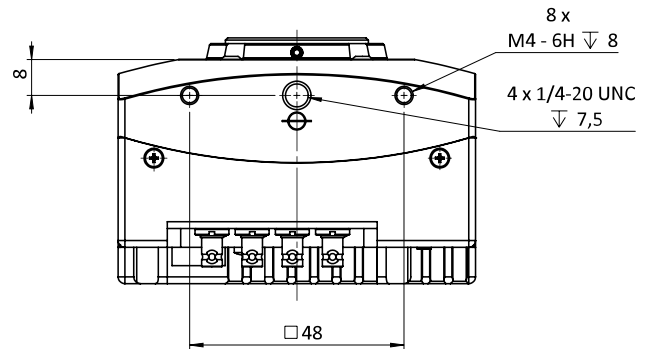
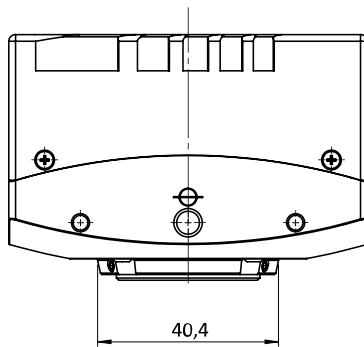
|                          |                   |
|--------------------------|-------------------|
| Belichtungsmodi          | external          |
| Verstärkungsmodi         | digital, analog   |
| Bildsteuerungsfunktionen | roi, mirror-image |

## FW-Funktionen – Kamerasteuerung

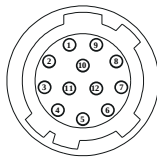
|                             |                            |
|-----------------------------|----------------------------|
| Triggermodi/Synchronisation | external, trigger-over-cxp |
|-----------------------------|----------------------------|

# Technische Zeichnung





## I/O-Pin-Belegung

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