

# EoSens CoaXPress-12

EoSens21MCX12-FM

## 一般

|      |                     |
|------|---------------------|
| 型號   | EoSens21MCX12-FM    |
| 產品編號 | F006011             |
| 產品系列 | EoSens CoaXPress-12 |
| 狀態   | Available           |

## 感測器

|            |                                         |
|------------|-----------------------------------------|
| 感測器類型      | Area scan                               |
| 色度         | Mono                                    |
| 光譜         | Visible                                 |
| 光譜範圍       | 350 nm to 1000 nm                       |
| 解析度        | 5,120 × 4,096 (21.00 MP)                |
| 感測器型號      | Gpixel GSPRINT4521                      |
| 感測器架構 (材料) | cmos                                    |
| 快門類型       | Global shutter (GS)                     |
| 感測器尺寸      | 23.04 × 18.43 mm (29.51 mm, Type APS-C) |
| 像素大小       | 4.50 µm × 4.50 µm                       |

## 像素格式

|        |                       |
|--------|-----------------------|
| 感測器位深  | 8-bit, 10-bit, 12-bit |
| 單色像素格式 | mono8, mono10, mono12 |

## 時序與增益

|              |                                                                                                            |
|--------------|------------------------------------------------------------------------------------------------------------|
| 最大影格率        | 230 fps                                                                                                    |
| 最大影格率 ROI 模式 | 5120 x 4096   230 fps, 5120 x 3072   305 fps, 5120 x 1024   891 fps, 5120 x 128   5540 fps, x   12560 fps, |
| 曝光時間         | 4 µs to 1 s                                                                                                |

## 時序與增益

|    |                   |
|----|-------------------|
| 增益 | 0.0 dB to 12.0 dB |
|----|-------------------|

## I/O 與電源

|         |                                                                                                       |
|---------|-------------------------------------------------------------------------------------------------------|
| 非隔離線    | 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, |
| 特定非隔離線  | 0 x RS232 input, 0 x RS232 output, 0 x RS422 input, 0 x RS422 output,                                 |
| 光隔離線    | 0 x Optical isolated input, 0 x Optical isolated input,                                               |
| I/O 連接器 | 12-pin Hirose HR10A-10P-12S                                                                           |
| 電源供應    | 12 to 24VDC                                                                                           |
| 功耗      | External: 21 W (typical)                                                                              |

## 機械特性

|                     |              |
|---------------------|--------------|
| 機殼尺寸 (長 x 寬 x 高 mm) | 93 × 80 × 80 |
| 防護等級                | IP30         |
| 鏡頭接口                | F-Mount      |
| 重量                  | 630 g        |

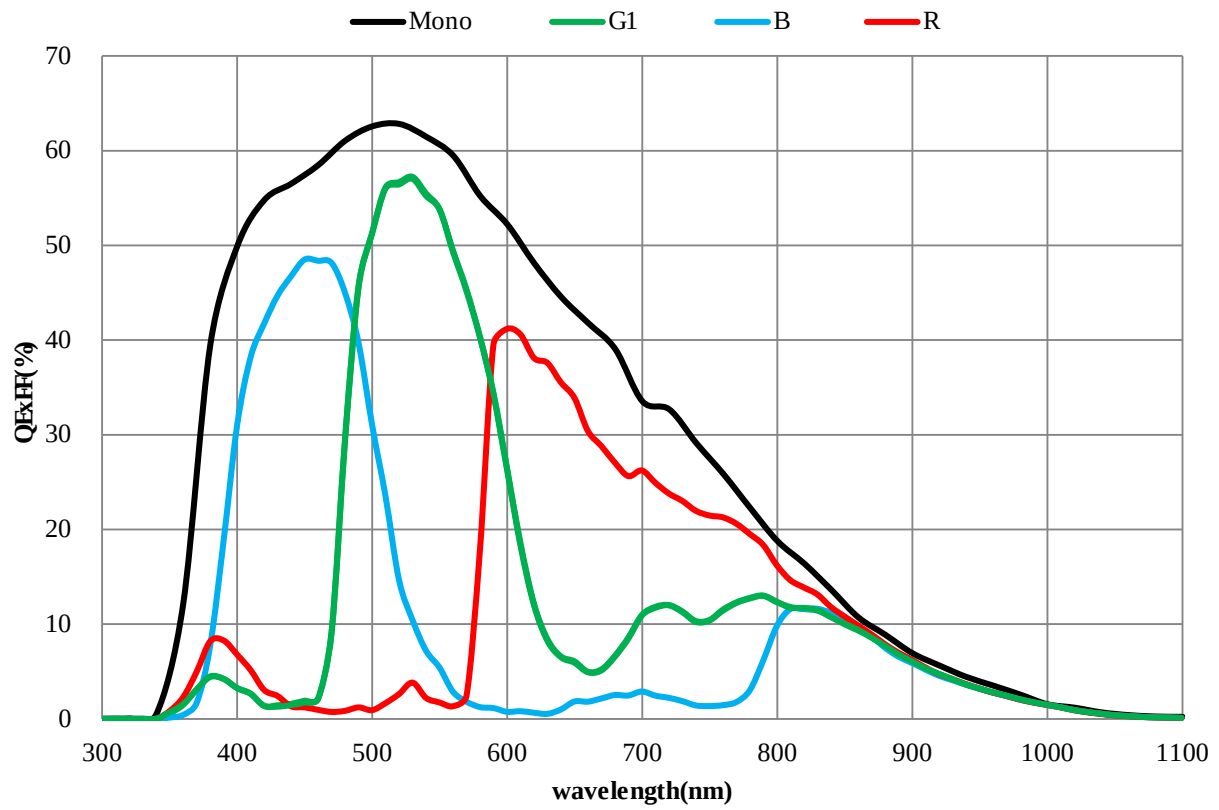
## 介面

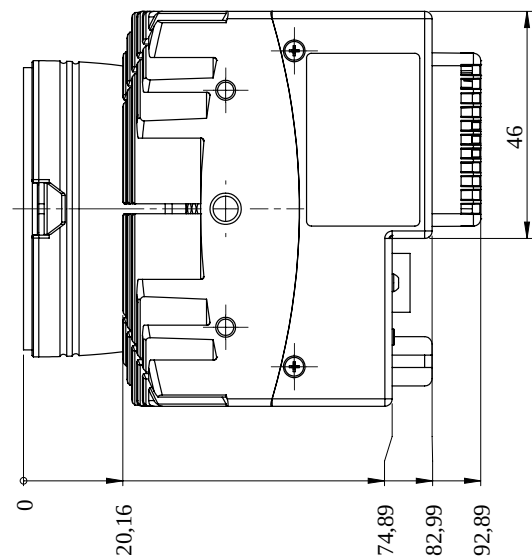
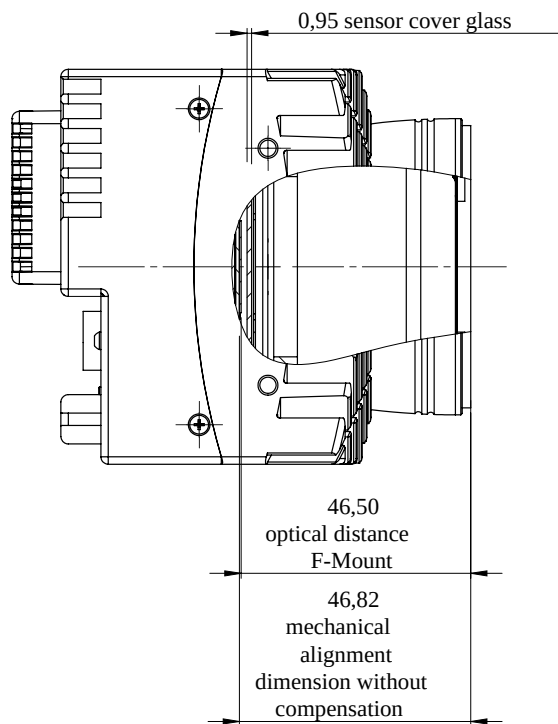
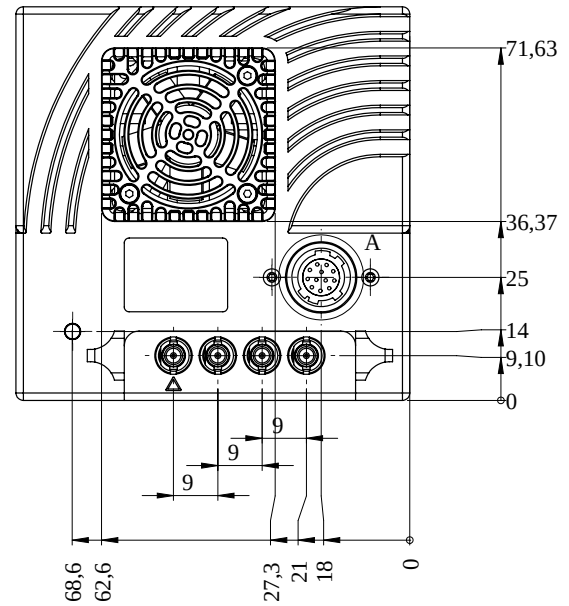
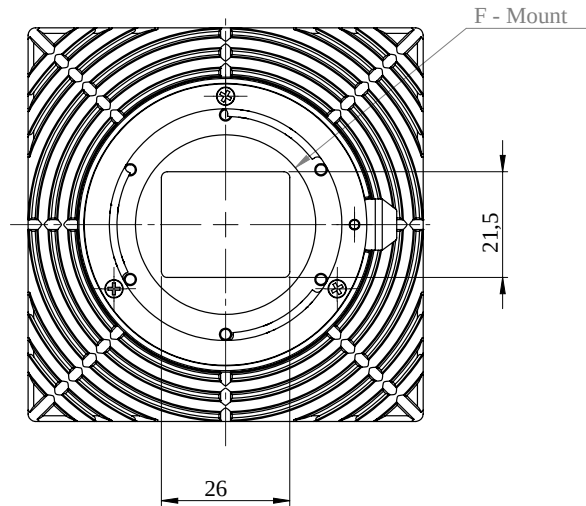
|       |                           |
|-------|---------------------------|
| 數位介面  | cxp-12 with 4 connections |
| 介面連接器 | (micro-BNC)               |
| 視覺標準  | CoaXPress 2.0             |

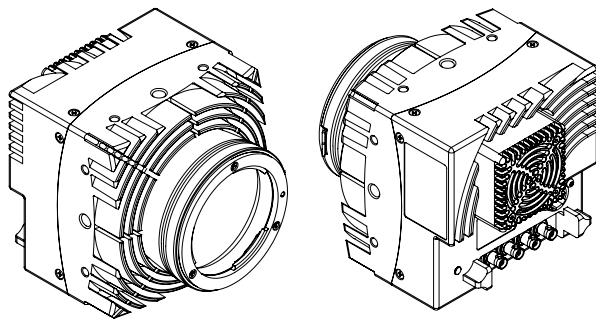
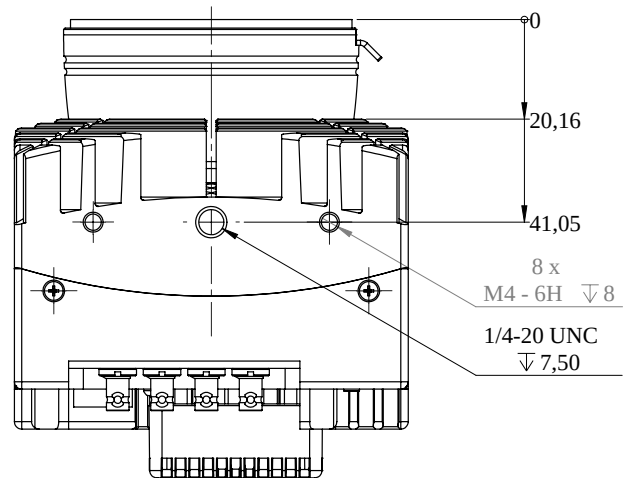
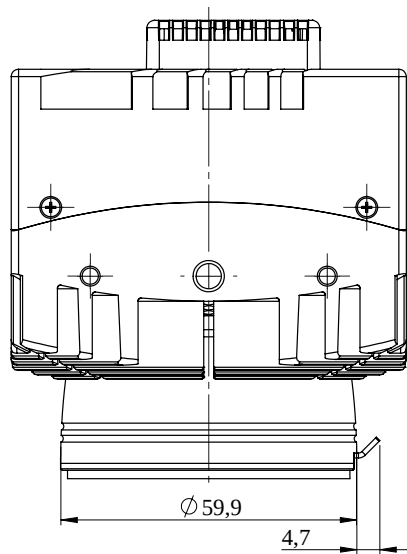
## FW 功能 – 影像控制

|        |                   |
|--------|-------------------|
| 曝光模式   | external          |
| 增益模式   | digital, analog   |
| 白平衡模式  | true              |
| 影像控制功能 | roi, mirror-image |

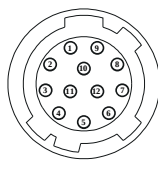
量子效率







## I/O 引腳分配

|                                                                                     | 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               |