

# Omron Sentech CoaxPress

High Speed CMOS CoaxPress Camera

## Features

- 4M, 12M
- High speed (186fps at 12M pixel)
- Light angle type also available



## Product Line-Up

| Model                  | Monochrome | STC-CMB401CXP             | STC-CMB120ACXP                                 | STC-CMB120ACXP-T                                    | STC-CMB120ACXP-F                               | STC-CMB120ACXP-T-F                                  |
|------------------------|------------|---------------------------|--|---|--|---|
|                        | Color      | STC-CMC401CXP             | STC-CMC120ACXP                                 | STC-CMC120ACXP-T                                    | STC-CMC120ACXP-F                               | STC-CMC120ACXP-T-F                                  |
| Resolution             |            | 4M                        | 12M  | 12M   | 12M  | 12M   |
| Frame Rate             |            | 142.5fps                  | 186fps   | 186fps  | 186fps   | 186fps  |
| Effective Pixels       |            | 2048 × 2048               | 4096 × 3072                                    | 4096 × 3072   | 4096 × 3072                                    | 4096 × 3072   |
| Sensor Size            |            | 1                         | 1.76   | 1.76  | 1.76   | 1.76  |
| Cell Size (HxV, μm)    |            | 5.5 × 5.5                 | 5.5 × 5.5                                      | 5.5 × 5.5   | 5.5 × 5.5                                      | 5.5 × 5.5   |
| Sensor                 |            | CMV4000                   | CMV12000                                       | CMV12000  | CMV12000                                       | CMV12000  |
| Lens Mount             |            | C                         | M42 P=1 FB=10mm                                | M42 P=1 FB=10mm                                     | F  | F   |
| General Specifications |            | PoCXP Copatibility, 1Lane | PoCXP Copatibility, 4Lane, Connector from rear | PoCXP Copatibility, 4Lane, Connector from Upperside | PoCXP Copatibility, 4Lane, Connector from rear | PoCXP Copatibility, 4Lane, Connector from upperside |

## Accessories

| Mount Conversion Adapter |                  |   |
|--------------------------|------------------|---|
| Model                    | Supported Models | General Specifications                      |
| M42-F-R                  | 12M Model        | M42 P=1 FB=10mm → Fmount Conversion Adapter |

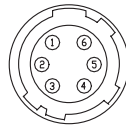
# External Connector Specification

HR10A-7R-6PB (Hirose) or equivalent

The connector for the trigger signal output. (Not for the power supply of the camera)  
 Trigger input available by changing camera setting  
 Please use the HR10A-7P-6S (Hirose) or equivalent for the cable

### 2.3.1 Pin Assignments

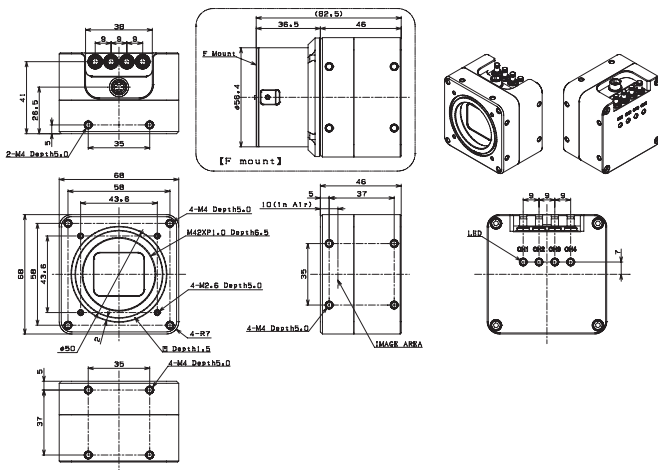
| Pin No. | Signal Name | I/O    |
|---------|-------------|--------|
| 1       | IO_GND      | -      |
| 2       | GPIO2       | IN/OUT |
| 3       | GPIO1       | IN/OUT |
| 4       | GPIO0       | IN/OUT |
| 5       | N.C.        | -      |
| 6       | N.C.        | -      |



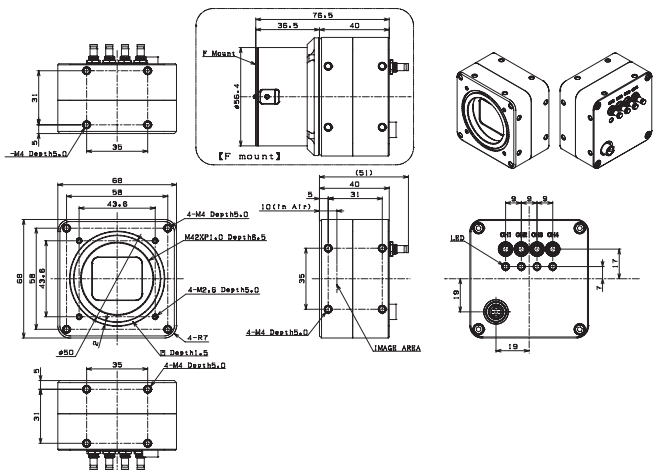
\*GPIO0, GPIO1, GPIO2 maximum rated voltage that can be applied to will be 24V  
 \*N.C. terminal, please use as electrically OPEN

## Drawing Dimension

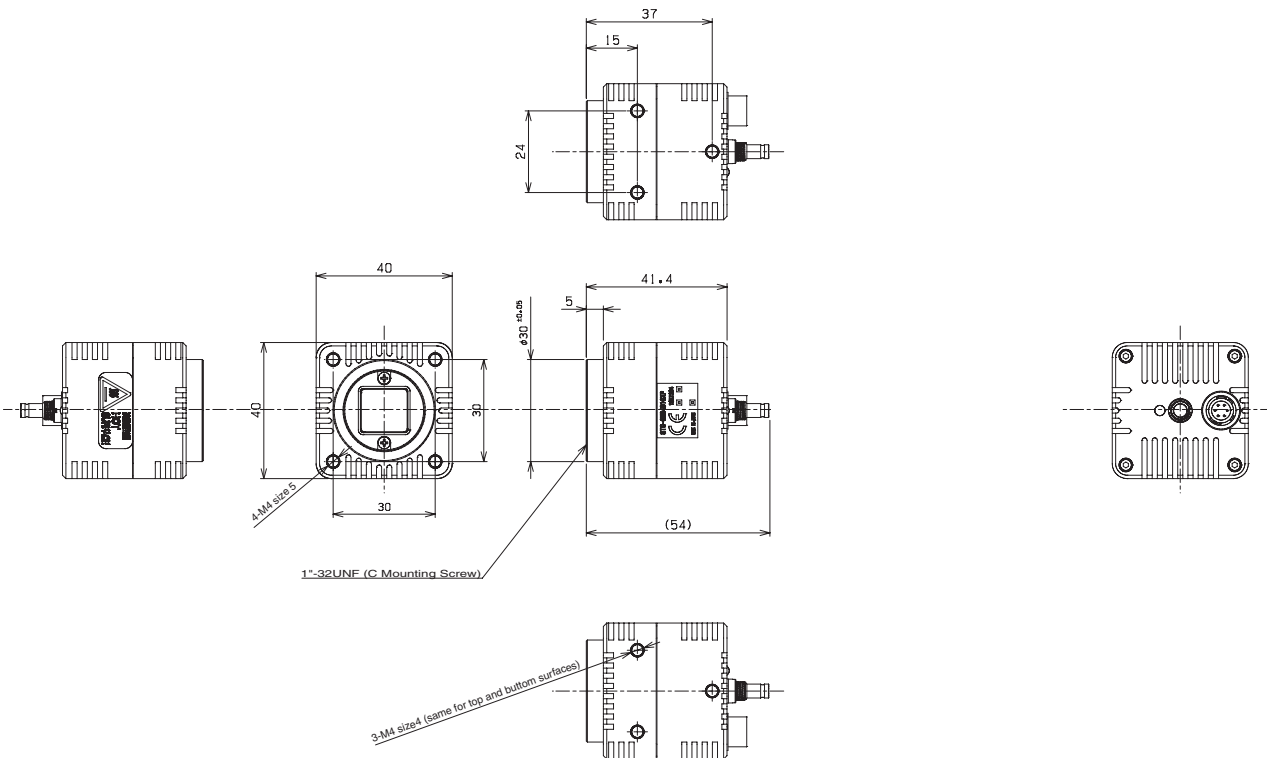
### STC-CMB/CMC120ACXP-T



### STC-CMB/CMC120ACXP



### STC-CMB/CMC401CXP



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