

# 12M CMOS Camera Link 62fps Global Shutter

**NEW**

## 12M CMOS

### STC-CMB120APCL 【Mono】

### STC-CMC120APCL 【Color】

The Sentech 12 Megapixel Camera Link camera reaches a frame rate of 62 FPS. The camera utilizes a Global Shutter in order to optimize the capture of moving objects, and features a wide dynamic range.



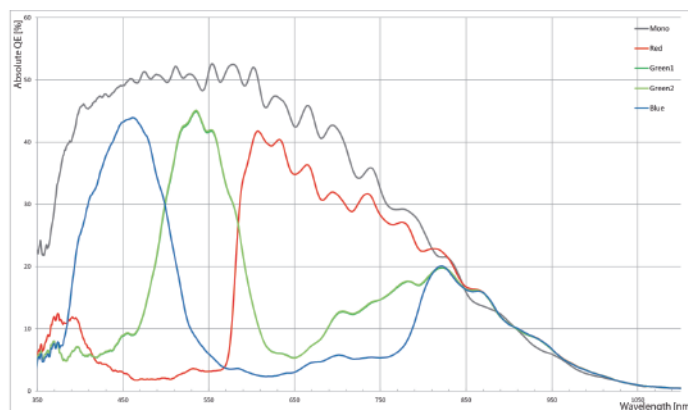
#### Features

- 4096(H) x 3072(V)
- 5.5  $\mu\text{m}$  x 5.5  $\mu\text{m}$
- 28.14mm Sensor
- 62.3fps
- Global Shutter
- M42 Lens Mount
- PoCL Capable
- 68 x 68 x 40 mm (excluding connector)

## Specifications

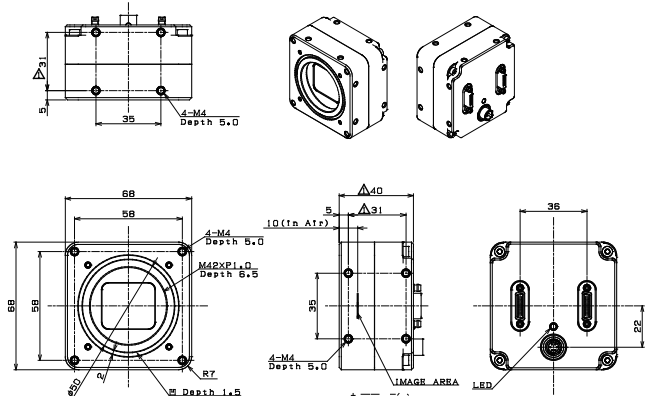
|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Model Numbers    | : STC-CMC120APCL (Color)<br>STC-CMB120APCL (Monochrome)                           |
| Image Sensor     | : 28.14mm 12M CMOS (CMOSIS CMV12000)                                              |
| Shutter Type     | : Global Shutter                                                                  |
| Effective Pixels | : 4096 (H) x 3072 (V)                                                             |
| Chip Size        | : 22.5 x 16.9 mm                                                                  |
| Cell Size        | : 5.5 (H) x 5.5 (V) $\mu$ m                                                       |
| Scanning Mode    | : Full Scanning / Partial Scanning<br>Binning (Monochrome model only)             |
| Frame Rate       | : 62.3fps                                                                         |
| Noise Levels     | : TBD                                                                             |
| Minimum Scene    | : TBD Lux at F1.2                                                                 |
| Illumination     |                                                                                   |
| Video Format     | : 8/10 bit Raw Data                                                               |
| Interface        | : CameraLink Base/Medium/Full/10Tap (8 bit)<br>CameraLink Base/Medium (10 bit)    |
| Exposure Time    | : 58 $\mu$ sec ~ TBD                                                              |
| Digital Gain     | : TBD                                                                             |
| Gamma            | : Gamma =1.0 fixed                                                                |
| Operating Mode   | : Edge Preset Trigger / Pulse Width Trigger                                       |
| Communication    | : RS232 via Camera Link Connector                                                 |
| Input Voltage    | : DC12V $\pm$ 10% (PoCL)                                                          |
| Power            | : less than 7.0W                                                                  |
| Consumption      |                                                                                   |
| Dimensions       | : 68 (W) x 68 (H) x 48 (D) mm (Excluding Connectors)                              |
| Optical Filter   | : N/A                                                                             |
| Lens Mount       | : M42 Mount (pitch: 1mm, flange back: 10mm)<br>F Mount Adapter (optional): M42-FR |
| Connectors       | : Miniature Connector (SDR) x 2                                                   |
| I/O Connector    | : HR10A-7R-6PB (Hirose) or equivalent                                             |
| Camera Mounting  | : 1/4" tripod mounting screw holes (1 on bottom surface)                          |
| M4 Mounting      | : 4 Mounting Screws on the top and bottom of the camera                           |
| Screws           |                                                                                   |
| Weight           | : Approx. 305g                                                                    |
| RoHS Compliance  | : RoHS Compliant                                                                  |

## Spectral Sensivity

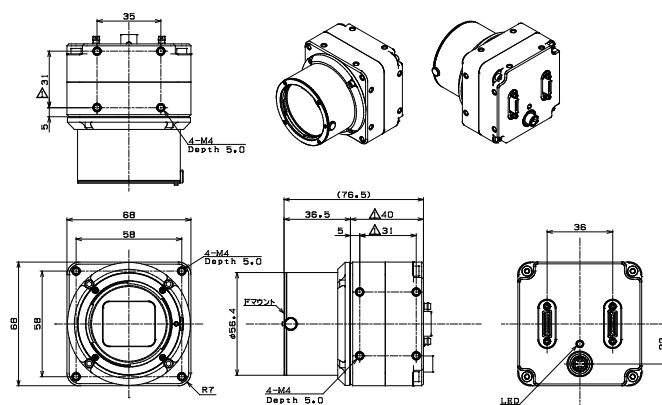


## Dimensions

### M42 Mount



### F Mount



※Specifications are subject to change without notice.