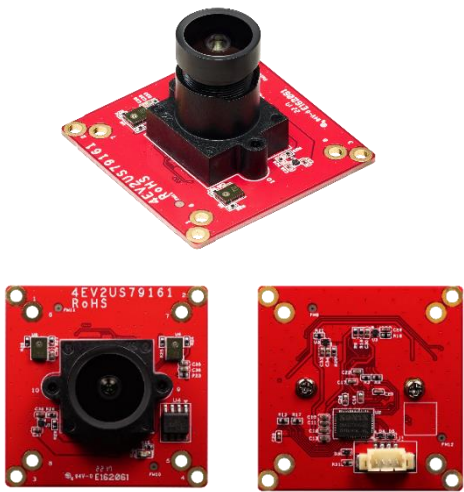




EV2U-SGR1

USB 2.0 2MP Fixed Focus Camera Module

HIGHLIGHT FEATURES

- USB 2.0 Interface, 1920 x 1080 @30fps (Max Resolution)
- Support Low light condition, ISP inside
- Lens FOV (D / H / V) : 121° / 102° / 54°
- OS Support : Windows, Linux, Android, macOS (UVC)
- Compliant to USB 2.0 and USB Video Class
- Complies with CE / FCC Class A

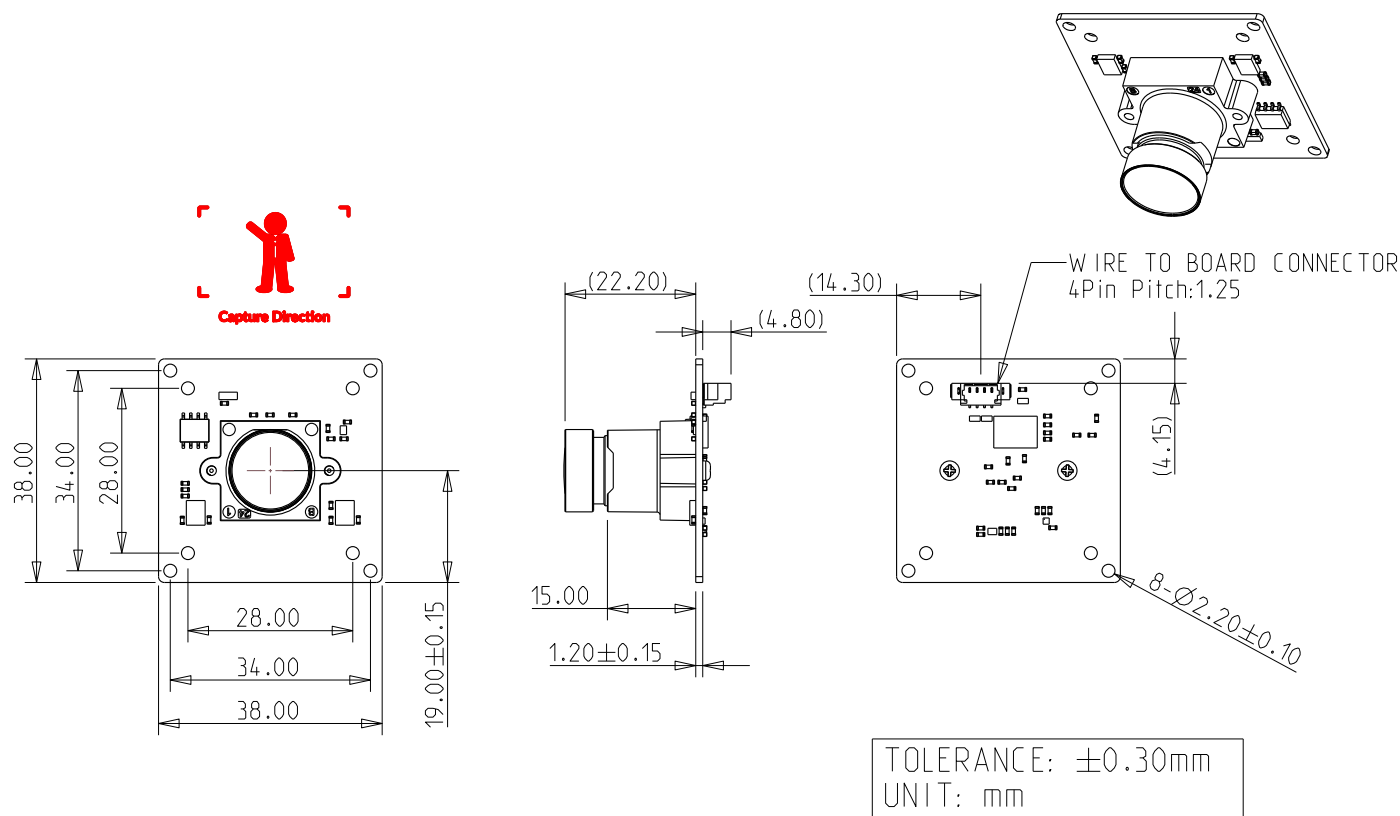
SPECIFICATIONS

|                          |                                          |
|--------------------------|------------------------------------------|
| Model Name               | EV2U-SGR1                                |
| Module Type              | USB 2.0 2MP Fixed Focus Camera Module    |
| Resolution (Max.)        | 1920 x 1080 @30fps                       |
| Output I/F               | USB 2.0                                  |
| Shutter                  | Rolling                                  |
| Video Format             | YUV422, MJPEG                            |
| Power Consumption        | Approximate 1W (MJPEG @Full Resolution ) |
| Operation Temperature    | -20°C ~ 70°C                             |
| Sensor Size              | 1/2.9"                                   |
| Pixel Size               | 2.8μm                                    |
| Lens Type                | Fixed Focus (M12)                        |
| Dimension (W x L x H/mm) | 38 x 38 x 22.2                           |
| Lens D / H / V FOV       | 121° / 102° / 54°                        |
| OS Support               | Windows, Linux, Android, macOS           |
| Warranty                 | 3 Years                                  |

## ORDER INFO.

| P/N               | Description                                                                                  |
|-------------------|----------------------------------------------------------------------------------------------|
| EV2U-SGR1-MMC1-C1 | USB 2.0 2MP Fixed Focus Camera Module (USB cable included)<br>Dimension : 38 x 38            |
| EV2U-SGR1-MMC1-C2 | USB 2.0 2MP Fixed Focus Camera Module, with DMIC (USB cable included)<br>Dimension : 38 x 38 |
| EV2U-SGR1-RLCF-A1 | USB 2.0 2MP Fixed Focus Camera Module (USB cable included)<br>Dimension : 32 x 32            |
| EV2U-SGR1-RLCF-A2 | USB 2.0 2MP Fixed Focus Camera Module, with DMIC (USB cable included)<br>Dimension : 32 x 32 |
| 7W2000000150      | USB 2.0 cable 1 meter, 4 pins, pitch 1.25mm                                                  |

## MECHANICAL DRAWING

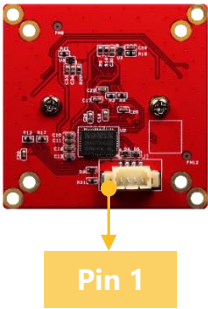


## RESOLUTION MATRIX

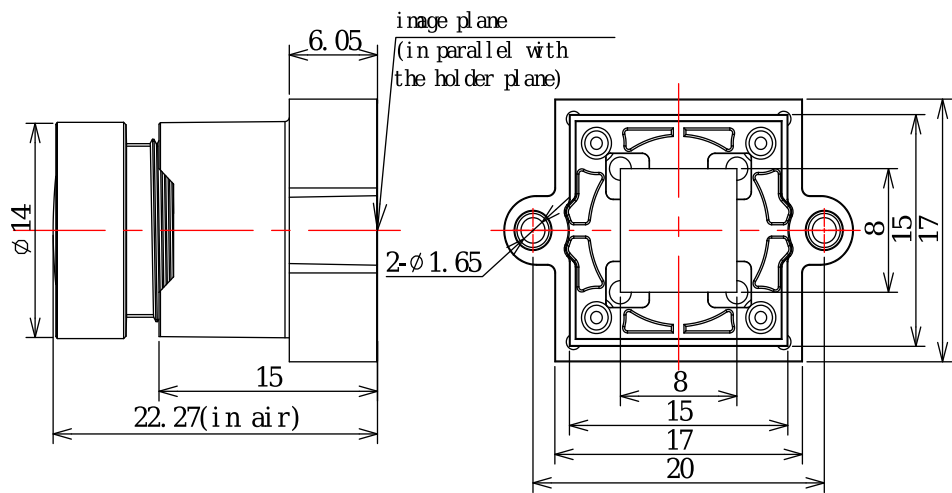
| Resolution  | YUV422 | MJPEG                |
|-------------|--------|----------------------|
| 1920 x 1080 | 5 fps  | 30 / 25 / 10 / 5 fps |
| 1280 x 720  | 10 fps | 30 / 25 fps          |
| 640 x 480   | 30 fps | 30 / 25 fps          |

# CONNECTOR PIN ASSIGNMENT

| Pin # | Pin Name | Description |
|-------|----------|-------------|
| 1     | DCC      | +5V         |
| 2     | D-       | Data-       |
| 3     | D+       | Data+       |
| 4     | GND      | Ground      |



# LENS SPEC.



| Items          | Specification        |
|----------------|----------------------|
| F No.          | 1.6                  |
| Focal Length   | 3.28mm               |
| Lens Structure | 2G4P                 |
| Mount          | M12 x P0.5 (S-Mount) |

# CABLE APPEARANCE



**HQ (Taiwan)** T +886-2-7703-3000 / E sales@innodisk.com

**CN** T +86-755-2167-3689 / E sales\_cn@innodisk.com

**US** T +1-510-770-9421 / E usasales@innodisk.com

**EU** T +31-40-3045-400 / E eusales@innodisk.com

**JP** T +81-3-6667-0161 / E jp\_sales@innodisk.com

