



# EV2U-SSM1

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

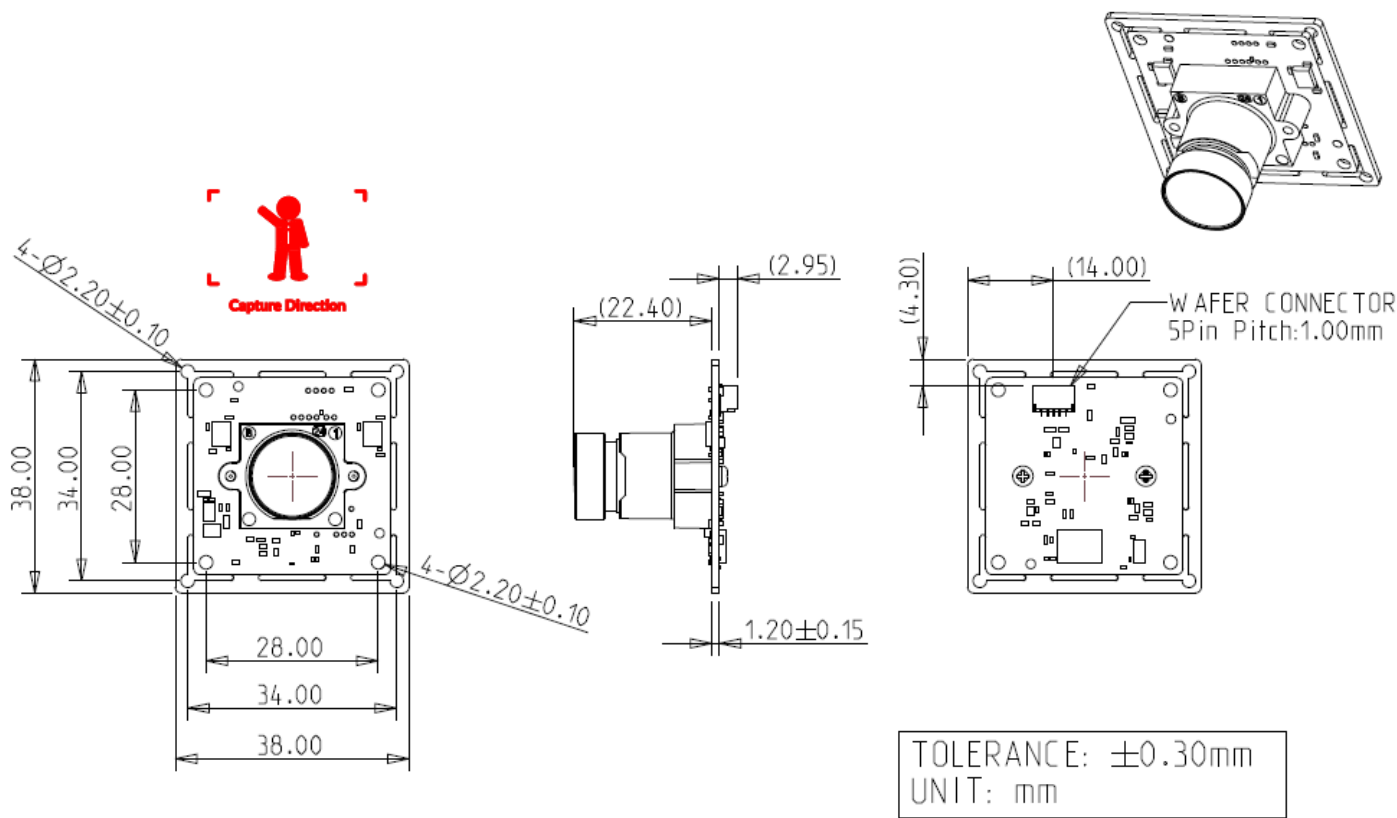
## SPECIFICATIONS

|                          |                                          |
|--------------------------|------------------------------------------|
| Model Name               | EV2U-SSM1                                |
| 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 ) |
| Operating Temperature    | -20°C ~ 70°C                             |
| Sensor Size              | 1/2.8"                                   |
| Pixel Size               | 2.9μm                                    |
| Lens Type                | Fixed Focus (M12)                        |
| Dimension (W x L x H/mm) | 38 x 38 x 26.6                           |
| Lens FOV (D / H / V)     | 121° / 102° / 54°                        |
| OS / Platform Support    | Windows, Linux, Android, macOS           |
| Warranty                 | 3 Years                                  |

ORDER INFO.

| P/N               | Description                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------|
| EV2U-SSM1-RLCF-11 | USB 2.0 2MP Fixed Focus Camera Module (USB cable included)<br>Dimension : 38 x 38mm                   |
| EV2U-SSM1-RLCF-12 | USB 2.0 2MP Fixed Focus Camera Module, with DMIC (USB cable included)<br>Dimension : 38 x 38mm        |
| EV2U-SSM1-RLCF-A1 | USB 2.0 2MP Fixed Focus Camera Module (USB cable included)<br>Dimension : 32 x 32mm                   |
| EV2U-SSM1-RLCF-A2 | USB 2.0 2MP Fixed Focus Camera Module, with DMIC (USB cable included)<br>Dimension : 32 x 32mm        |
| EV2U-SSM1-RLCF-21 | USB 2.0 2MP Fixed Focus Camera Module, with Housing (USB cable included)<br>Dimension : 41.4 x 41.4mm |
| 7W2000000160      | USB 2.0 cable 1 meter, 5 pins, pitch 1mm                                                              |

MECHANICAL DRAWING

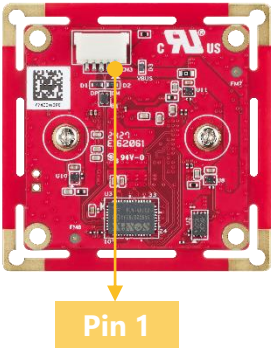


RESOLUTION MATRIX

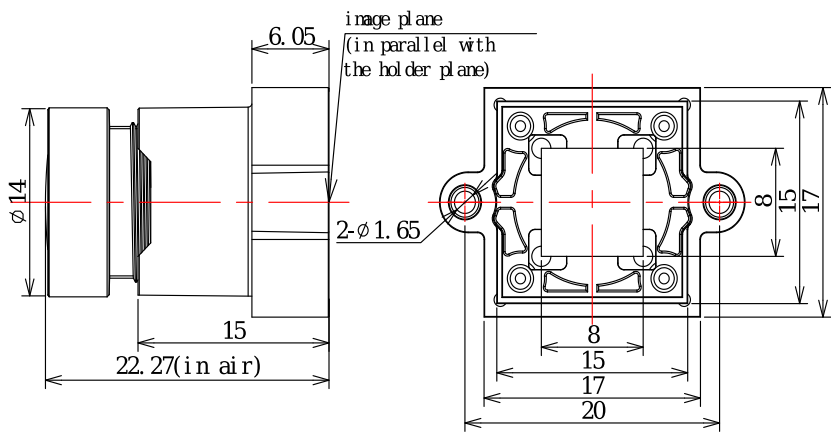
| Resolution  | YUV422                         | MJPEG                          |
|-------------|--------------------------------|--------------------------------|
| 1920 x 1080 | 5 fps                          | 30 / 25 / 20 / 15 / 10 / 5 fps |
| 1280 x 720  | 10 / 5 fps                     | 30 / 25 / 20 / 15 / 10 / 5 fps |
| 640 x 480   | 30 / 25 / 20 / 15 / 10 / 5 fps | 30 / 25 / 20 / 15 / 10 / 5 fps |

# CONNECTOR PIN ASSIGNMENT

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

