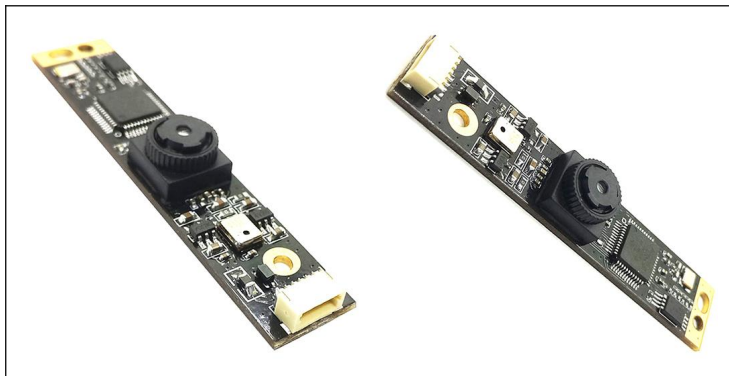


## 2MP I080P USB2.0 Camera Module Specifications



### I. Main Parameters

|                         |                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------|
| Product Name            | 2MP I080P USB2.0 Camera Module                                                                       |
| Product Code            | WN-L187.K35A                                                                                         |
| Module Size             | 62*12mm                                                                                              |
| Image Sensor            | 1/2.7-Inch JX-F22 CMOS Sensor                                                                        |
| Max. Resolution         | 1920 H x 1080 V                                                                                      |
| Frame Rate              | 30FPS                                                                                                |
| Pixel Size              | 3.0*3.0μm                                                                                            |
| Output Format           | MJPEG, YUY2                                                                                          |
| Field of View           | 70°                                                                                                  |
| Lens                    | EFL: 4.8mm, F/NO:2.2, 4P+650IR                                                                       |
| Dynamic Range           | Up to 69.5dB                                                                                         |
| Audio Input             | Digital Microphone                                                                                   |
| Focus Mode              | Fixed Focus/ Manual Focus                                                                            |
| Shutter Mode            | Electronic Rolling Shutter                                                                           |
| Output & Power Supply   | High Speed USB2.0                                                                                    |
| Interface               | 5PIN 1.0mm Connector                                                                                 |
| Controllable Parameters | Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White Balance, Backlight Contrast, Exposure |
| Supported OS            | UVC-compliant, Plug and Play for Windows, Android, Linux, Mac OS, etc.                               |
| Connection Cable        | Default 1.0 Meter USB Cable                                                                          |

### 2. Supported Resolutions and Frame Rates

| Formats | Resolutions | Frame Rates |
|---------|-------------|-------------|
| MJPEG   | 1920 x 1080 | 30FPS       |
|         | 1280 x 720  | 30FPS       |
|         | 800 x 600   | 30FPS       |
|         | 640 x 480   | 30FPS       |
| YUY2    | 1920 x 1080 | 5FPS        |
|         | 1280 x 720  | 10FPS       |
|         | 800 x 600   | 20FPS       |
|         | 640 x 480   | 30FPS       |

### 3. PIN Definitions

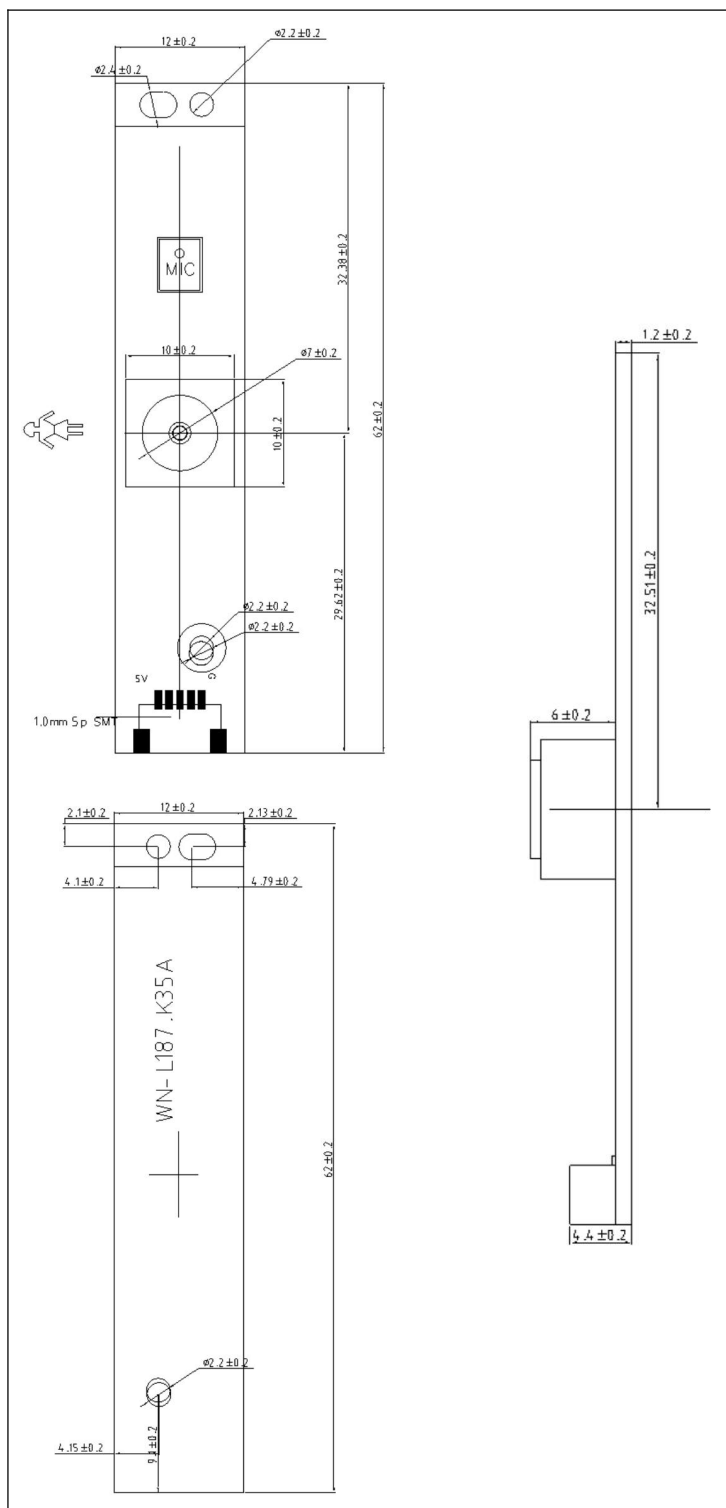
| Pin No. | Signal Names | Descriptions |
|---------|--------------|--------------|
| 1       | VCC          | DC 5V        |
| 2       | DM           | USB2.0 Data- |

|   |     |              |
|---|-----|--------------|
| 3 | DP  | USB2.0 Data+ |
| 4 | GND | Ground       |
| 5 | GND | Ground       |

### 4. Working Conditions

|                     |              |
|---------------------|--------------|
| Working Voltage     | DC 5V        |
| Working Current     | 160mA        |
| Working Temperature | -20°C ~ 60°C |
| Storage Temperature | -20°C ~ 85°C |
| Humidity            | 80 ~ 85%     |

### 5. Shape and Dimensions (Unit: mm)



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