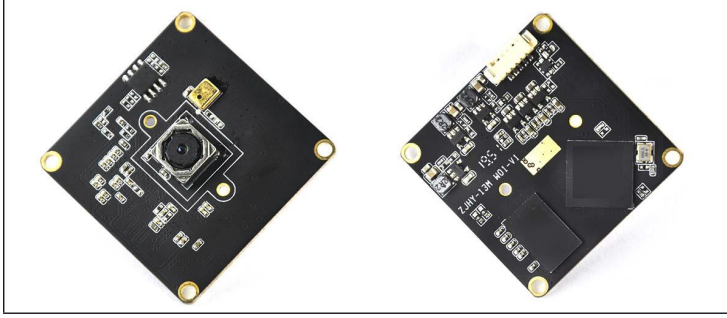


13MP USB2.0 Camera Module Datasheet



1. Main Parameters

| | |
|-------------------------|--|
| Product Name | 13MP USB2.0 Camera Module |
| Product Code | WN-L189.L48 |
| Module Size | 38*38mm |
| Image Sensor | 1/3.06-inch IMX214 CMOS Sensor |
| Max. Resolution | 4192 H x 3104 V |
| Pixel Size | 1.12*1.12μm |
| Output Format | MJPEG |
| Field of View | 78° |
| Lens | EFL: 3.79mm, F/No: 2.0, 5P+IR 650nm |
| Audio Input | Digital Microphone |
| Focus Mode | Autofocus |
| Shutter Mode | Electronic Rolling Shutter |
| Output & Power Supply | High Speed USB2.0 |
| Interface | 5PIN 1.25mm 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 | 4192 x 3104 (13MP) | 8FPS |
| | 3264 x 2448 (8MP) | 10FPS |
| | 2592 x 1944 (5MP) | 15FPS |
| | 2048 x 1536 (2K) | 15FPS |
| | 1920 x 1080 (1080P) | 30FPS |
| | 1600 x 1200 (UXGA) | 30FPS |
| | 1280 x 720 (720P) | 30FPS |
| | 800 x 600 (WVGA) | 30FPS |
| | 640 x 480 (VGA) | 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 | 380mA |
| Working Temperature | -20°C ~ 60°C |
| Storage Temperature | -20°C ~ 85°C |
| Humidity | 80 ~85% |

5. Shape and Dimensions (Unit: mm)

