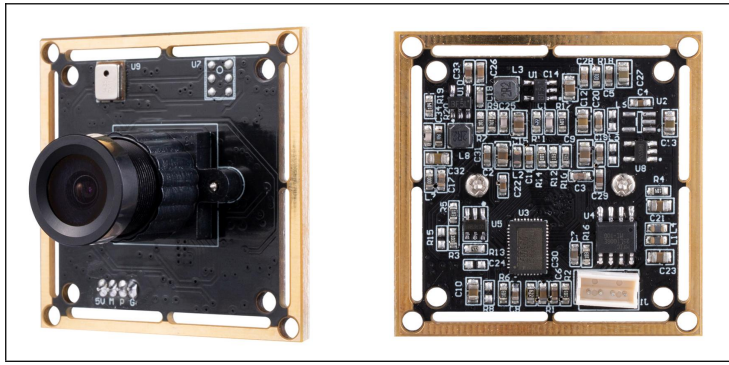


HDR 2MP USB Camera Module Datasheet



1. Main Parameters

| | |
|-------------------------|--|
| Product Name | HDR 2MP USB Camera Module |
| Product Code | WN-L185.K24 |
| Module Size | 38*38mm 32*32mm |
| Image Sensor | 1/2.7-inch AR0230 HDR CMOS Sensor |
| Max. Resolution | 1920 H x 1080 V |
| Pixel Size | 3.0*3.0μm |
| Output Format | MJPEG, YUY2 |
| Field of View | 100° |
| Audio Input | Digital Microphone |
| Focus Mode | Fixed Focus/ Manual Focus |
| Shutter Mode | Electronic Rolling Shutter |
| Dynamic Range | Up to 105dB |
| Output & Power Supply | High Speed USB2.0 |
| Interface | 4 PIN 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 | 1920x1080 | 30FPS |
| | 1280x720 | 30FPS |
| | 800x600 | 30FPS |
| | 640x480 | 30FPS |
| YUY2 | 1920x1080 | 5FPS |
| | 1280x720 | 10FPS |
| | 800x600 | 20FPS |
| | 640x480 | 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 |

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)

