

IMX258 13MP OIS USB Camera (A)

Introduction

USB Camera, IMX258 sensor. 13 megapixel. Supports UVC protocol.

Specification

- Pixels: 1300 Megapixel
- Resolution: 4224 × 3192
- Sensor: IMX258
- DSP : Automatic white balance(AWB)\Automatic exposure(AEC)\Automatic gain control(AGC)
- Camera Specification:
 - CCD Size: 1/3.06 inch
 - Aperture (F) : 2.4
 - Forcus Length (EFL) : 2.35 mm
 - Field of View (FOV) : 127°(D) 99.5°(H) 70°(V)
 - Focus Type: Auto Focus
- Interface: USB1.0
- Image:
 - Image Format: MJPEG
 - Image resolution: 4224 × 3192

Video:

10 FPS 4192 × 3104 (Full)
20 FPS 3840 × 2160 (4K)
25 FPS 1920 × 1080 (1080P)

- Working Voltage: 5V ± 5%
- Working Temperature: 0°C ~ 50°C
- Lens Size: 19.00 × 19.00 × 9.90 mm
- Dimension: 38.00 × 35.80 mm
- Support OS: Windows、Linux、 MacOS

Working with Windows PC

Test Software

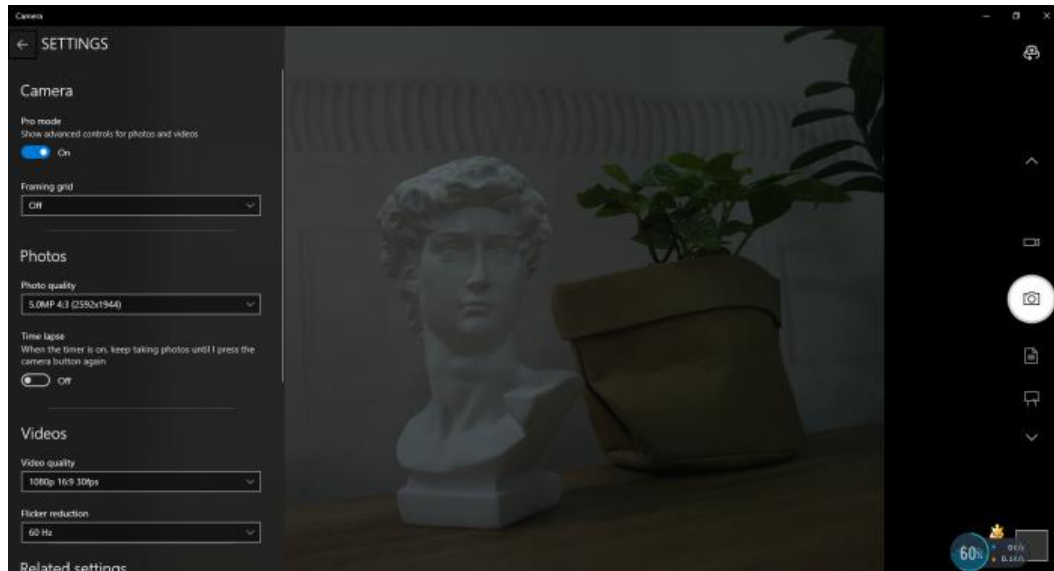
Most of the Windows 10 PC has pre-install Camera software, you can use it to test the USB camera

If your PC doesn't have Camera software, you can also download the AMCap test software from [Resources->Software](#) and test.

Testing

Use Camera software of Windows

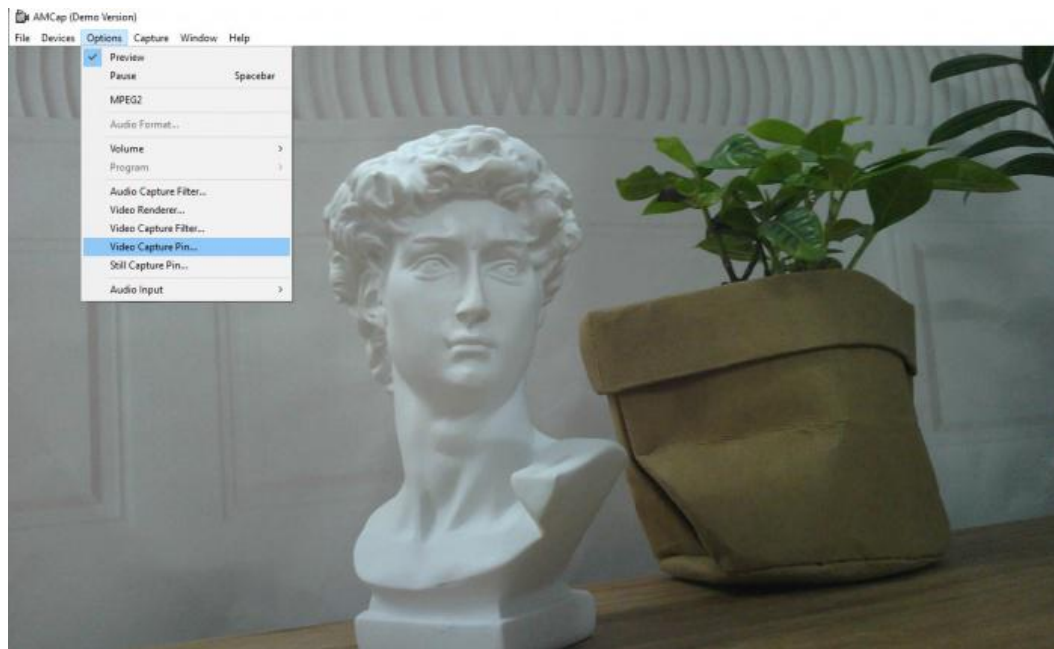
- Search "Camera" and open the software
- Click the setting icon of the top-left to configure the image/video.



- You can click the icons in the right to switch between Image Capture or Video Recording.

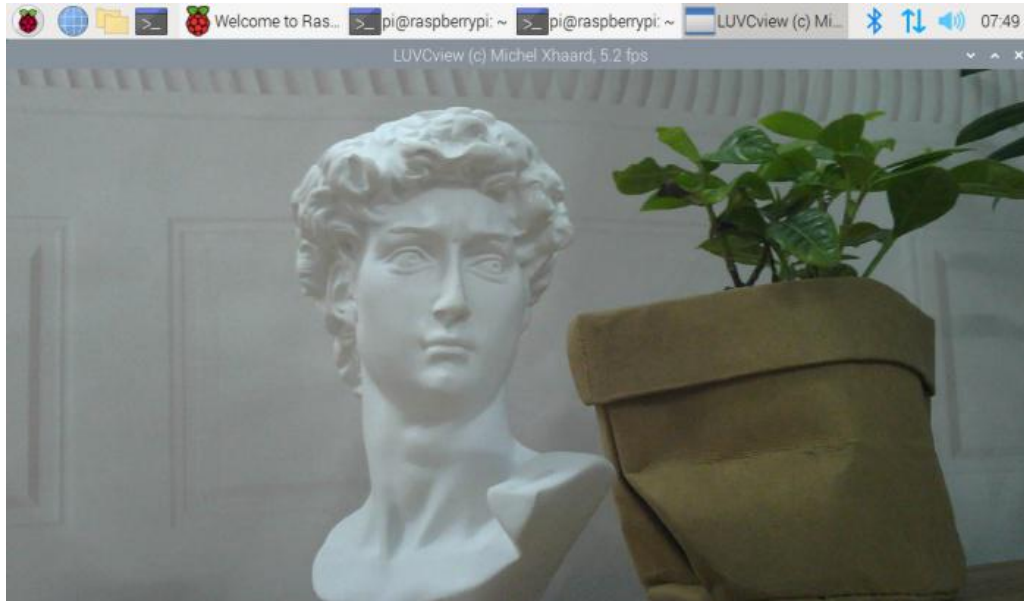
AMCap Software

- Download and install the AMCap software
- You can click the Option option, choose Video Capture Pin... or Still Capture Pin... to configure image/video



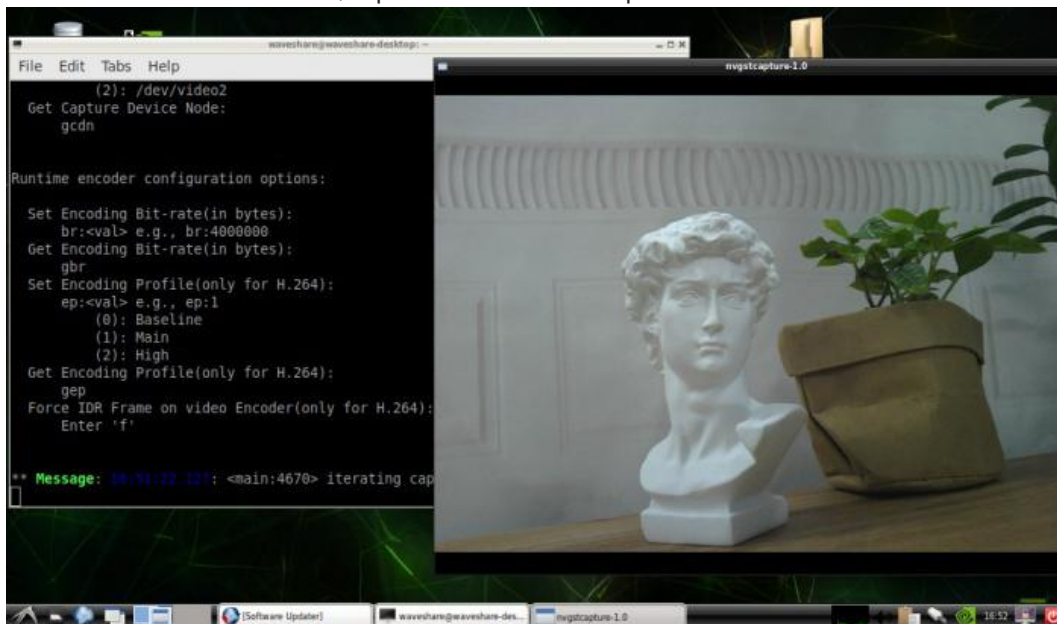
Working with Raspberry Pi

- Open a terminal of Raspberry Pi (You can use Ctrl+Alt+T shortcut)
- Use command **sudo raspi-config** to open the configuration
 - Choose Interface Option -> Camera -> Yes to enable camera and reboot.
- Open a Terminal of Pi and install luvview tool with the following command
 - `sudo apt-get install luvview -y`
- After installing, use the following command to test the USB camera.
`sudo luvview -s 1920x1080`



Working with Jetson Nano Developer Kit

- Open a terminal of Jetson Nano Developer Kit (You can use Ctrl+Alt+T shortcut or open it by Mouse)
- Use the following command for previewing:
 - `nvgstcapture-1.0 --camsrc=0`
- With the command, a preview window is opened



【Notice】 You may need to use the camera by script/codes, in this case, you can refer to tools/libraries like Opencv yourself.