

## SENSING Firmware Update Operation Instructions-Sony Sensor

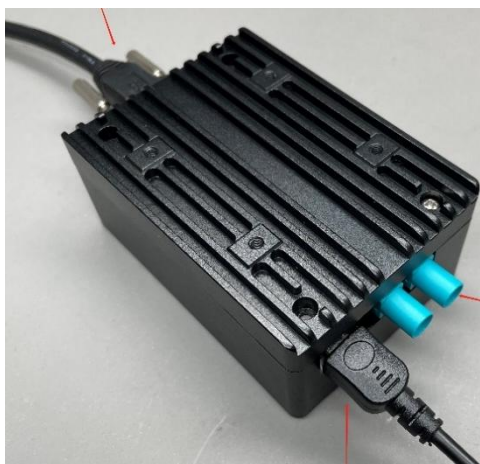
### 一、Overview

The ISP firmware update function inside the SENSING module requires the use of SENSING 's SG8-U30-GMSL2-T4 hardware and SensingCaptureV2 host computer software. The host computer software tool only supports use on win10 and win11 operating systems.

**Note: If you update on the car, please power off the entire vehicle before performing the update operation, because the electromagnetic signals on the entire vehicle will interfere with the upgraded equipment, which may cause the update to fail midway.**

### 二、Steps for updating module firmware for Sony sensor series

- 1.SENSING's Sony Sensor camera modules series modules include (ISX031,IMX728, etc.).
- 2.Connect the module to SENSING 's SG8-U30-GMSL2 hardware and plug the USB data cable into the computer's USB3.0 data interface, and at the same time plug the FT4222 data cable into the computer.



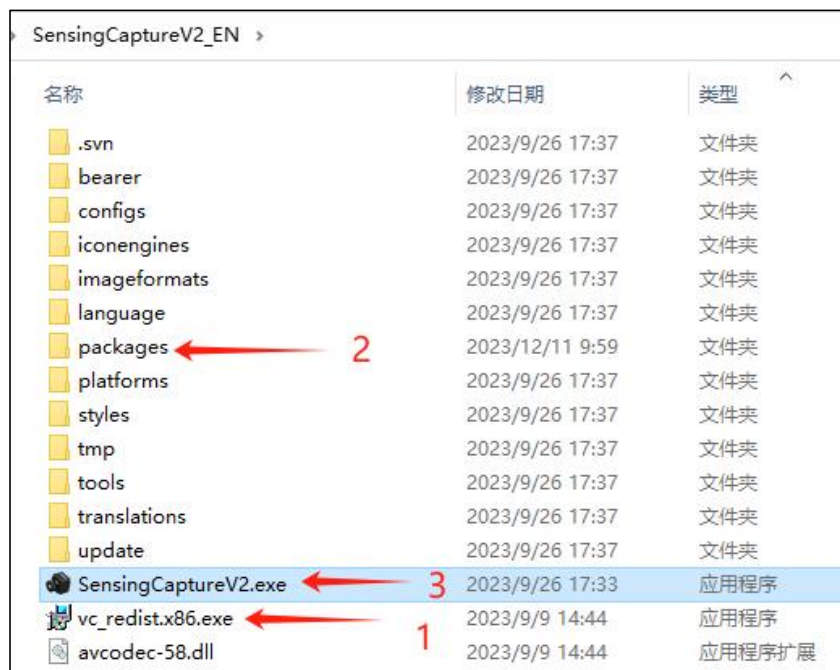
3.Open the device manager of the computer. You can see the "SENSING\_USB3\_CAMERA" device item in the camera project of the device manager, and you can see the FT4222 device item in the Universal Serial Bus Controller project.



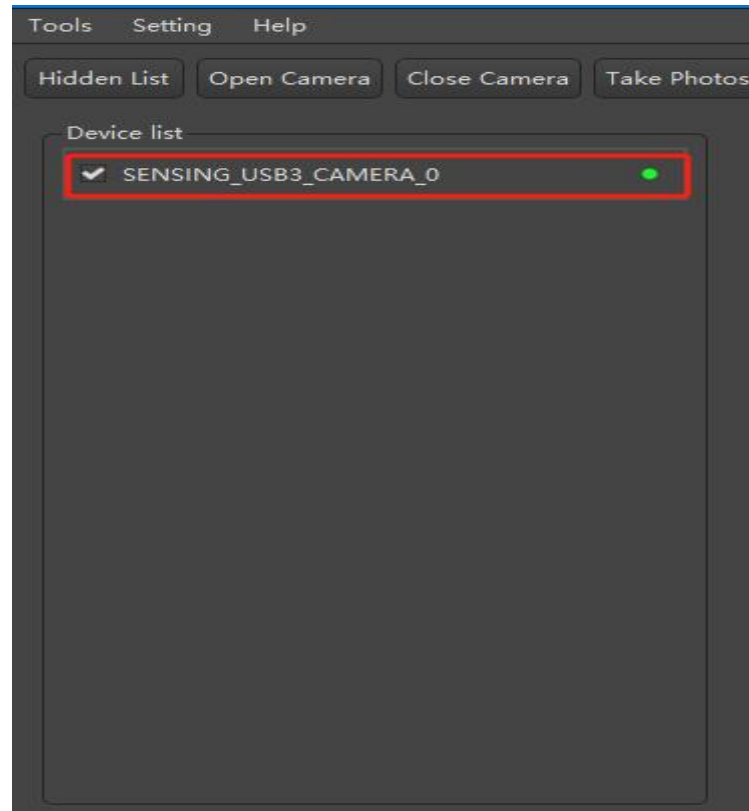
4.Install the software tool SensingCaptureV2

Copy the SensingCaptureV2 software installation package to your PC, unzip it and double click on the following to open it.( Follow steps 1/2/3 to install all installation packages inside).

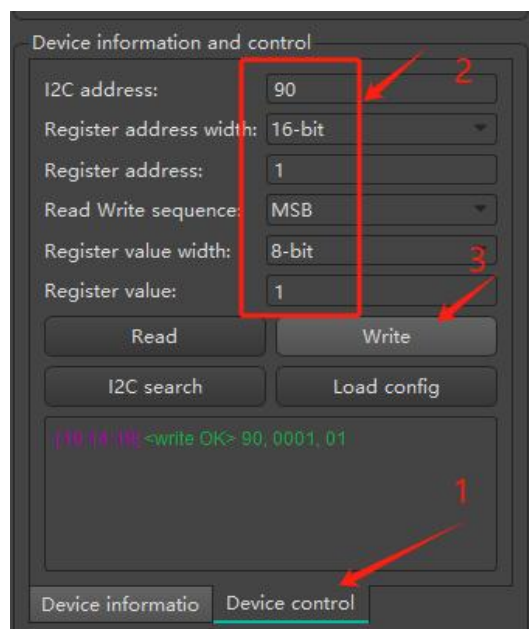
SensingCaptureV2 download link:[SensingCaptureV2\\_EN\\_download](#)



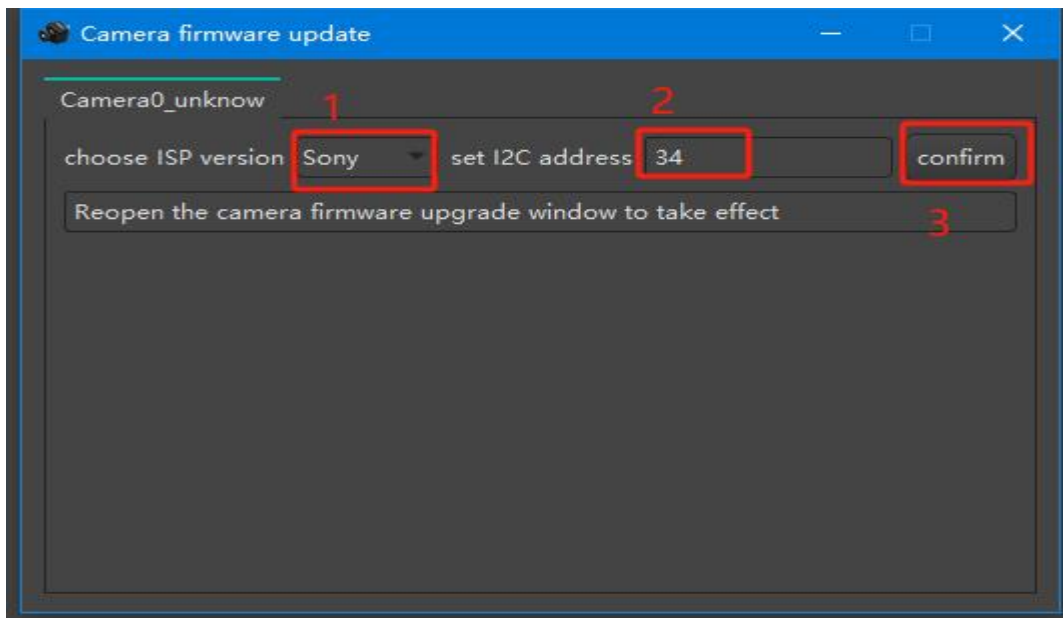
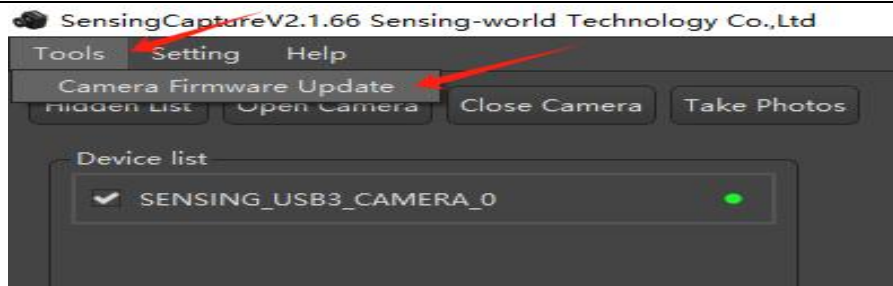
5.Open the "SensingCaptureV2" tool software, wait for the software tool to recognize the Sensing Cloud SG8-U30-GMSL2 hardware device, select Sensing "SENSING\_USB3\_CAMERA\_0" hardware device in "Device List".



Note: Only if the module label says SGX-XXXX-GMSL2F (the one with the letter F is for 3G mode), you need to add the following interface operations to lock the box and camera:



6. Click the "Tools" option in the upper left corner and select the "Camera Firmware Upgrade" item. Then follow the steps 1~3 in the following below. Click to close the prompt box.



7. Click again "Camera Firmware Upgrade" Go to the download page. Click on Load file and then select the matching firmware. Last Click "update" to start the running update.

*Note: After starting the update, pay special attention! Avoid getting distracted by other things to upgrade! This process can not plug and power off, only need to wait patiently for the update to complete!*

