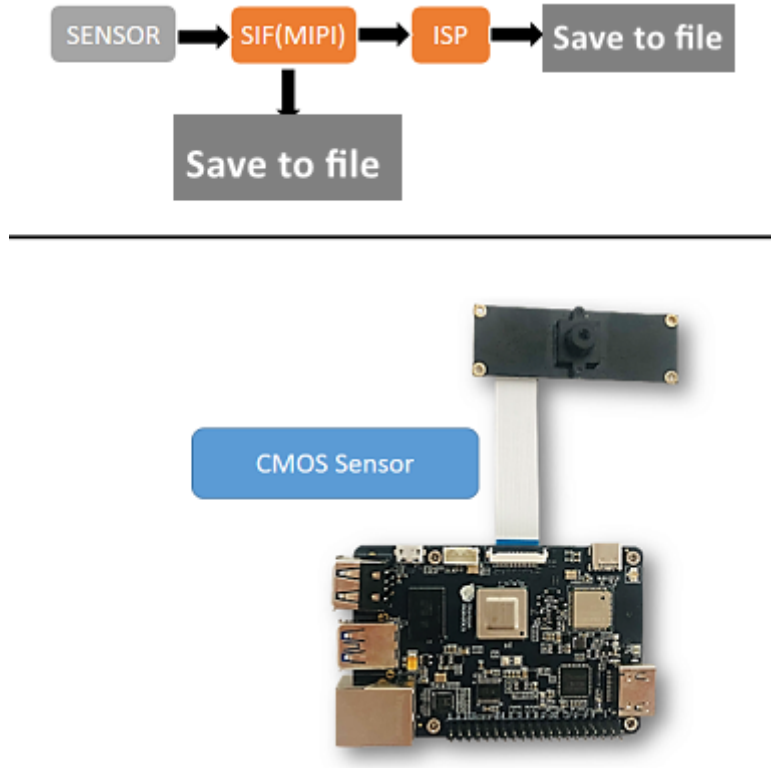
Save camera image

1. Preparation

This example `vio_capture` implements the `MIPI` camera image acquisition and local storage of images in two formats: `RAW` and `YUV`.

The example flow chart is as follows.



- When the development board is powered off, connect the MIPI camera to the development board (with the blue side facing up).
- Connect the development board and monitor via HDMI cable
- Power on the development board and log in to the system

2. Running method

The example code is provided in source code form and needs to be compiled and run using the 'make' command. The steps are as follows:

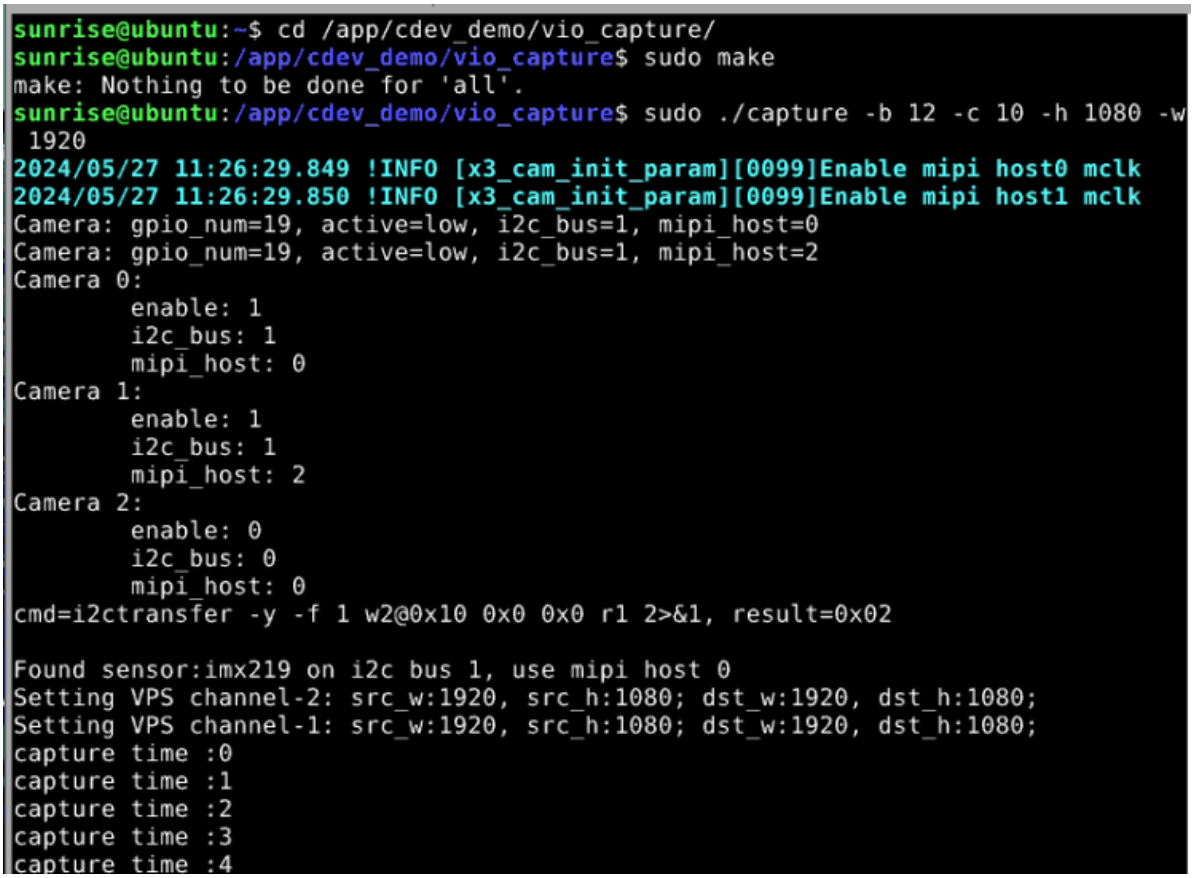
```
sunrise@ubuntu:~$ cd /app/cdev_demo/vio_capture/
sunrise@ubuntu:/app/cdev_demo/vio_capture$ sudo make
sunrise@ubuntu:/app/cdev_demo/vio_capture$ sudo ./capture -b 12 -c 10 -h 1080 -w
1920
```

Parameter description.

- -b: RAW image bit count, IMX477：12，others：10
- -c: Number of saved images
- -w: Save the width of the image
- -h: Save the height of the image

3. Result

After the program runs correctly, the current directory saves the specified number of image files.



The RAW format is named as raw_ *. raw , while the YUV format is named as yuvv *. yuv.

The running log is as follows.

```
sunrise@ubuntu:/app/cdev_demo/vio_capture$ sudo ./capture -b 12 -c 10 -h 1080 -w
1920
Setting VPS channel-2: src_w:1920, src_h:1080; dst_w:1920, dst_h:1080;
Setting VPS channel-1: src_w:1920, src_h:1080; dst_w:1920, dst_h:1080;
jiale:start streaming...
capture time :0
capture time :1
capture time :2
capture time :3
capture time :4
capture time :5
capture time :6
capture time :7
capture time :8
capture time :9
```

```
sensor_name imx477, setting_size = 1
[  701.213210]hb_isp_algo_stop@main_user.c:389 GENERIC(ERR) :g_mutex destroy.
```

```
sunrise@ubuntu:/app/cdev_demo/vio_capture$ ls
capture     raw_0.raw  raw_4.raw  raw_8.raw  yuv_2.yuv  yuv_6.yuv
capture.c   raw_1.raw  raw_5.raw  raw_9.raw  yuv_3.yuv  yuv_7.yuv
capture.o   raw_2.raw  raw_6.raw  yuv_0.yuv  yuv_4.yuv  yuv_8.yuv
Makefile    raw_3.raw  raw_7.raw  yuv_1.yuv  yuv_5.yuv  yuv_9.yuv
sunrise@ubuntu:/app/cdev_demo/vio_capture$
```