

# USB camera preview

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## USB camera preview

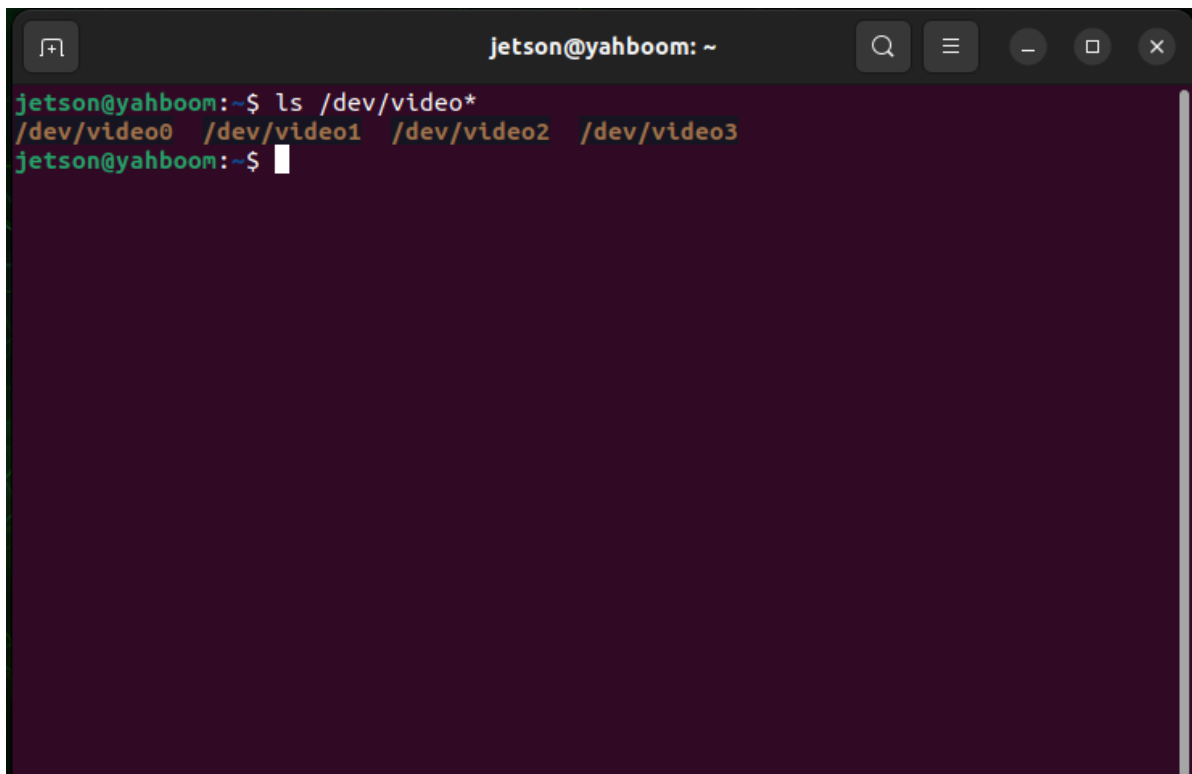
1. View video device
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## 1. View video device

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```
ls /dev/video*
```

The result of the picture is the result of connecting two CSI cameras and one USB camera: generally, a CSI camera displays one `video` device, and a USB camera displays two `video` devices. The USB camera selects the newly added and smaller `/dev/video2` call (connecting the USB camera system adds `/dev/video2` and `/dev/video3` device numbers)



```
jetson@yahboom: ~  
jetson@yahboom:~$ ls /dev/video*  
/dev/video0 /dev/video1 /dev/video2 /dev/video3  
jetson@yahboom:~$
```

## 2. GUVView

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GUVView is an open source software for Linux systems, used to capture and record videos and images, mainly for Webcam cameras.

## 2.1、GUVView installation

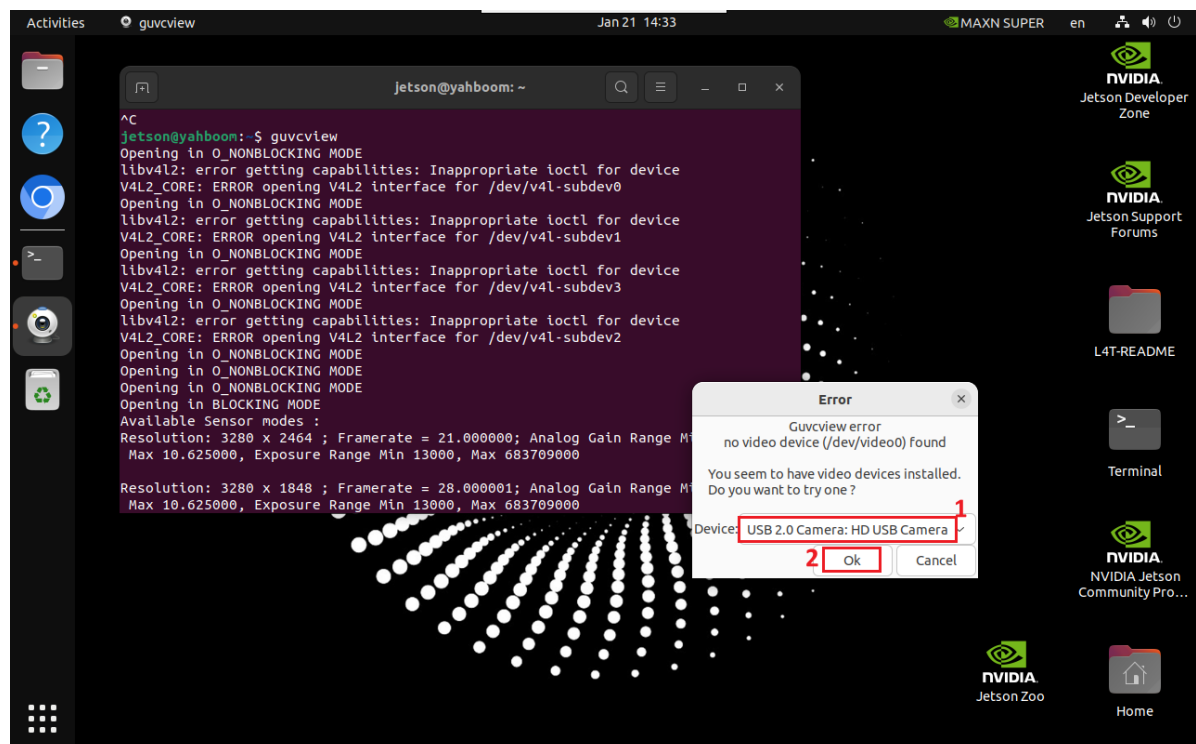
```
sudo apt update
sudo apt install guvcview -y
```

```
jetson@yahboom: ~
jetson@yahboom:~$ ls /dev/video*
/dev/video0 /dev/video1 /dev/video2 /dev/video3
jetson@yahboom:~$ sudo apt install guvcview -y
[sudo] password for jetson:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  gdal-data libaec0 libarmadillo10 libarpack2 libavcodec-dev libavformat-dev
  libavutil-dev libblosc1 libcfitsio9 libcharls2 libdc1394-dev libdeflate-dev
  libexif-dev libfreexl1 libfyba0 libgdal30 libgdc-dev libgdc3.0
  libgeos-c1v5 libgeos3.10.2 libgeotiff5 libgl2ps1.4 libglew2.2 libgphoto2-dev
  libhdf4-0-alt libhdf5-103-1 libhdf5-hl-100 libheif1 libilmbase-dev
  libjbig-dev libjpeg-dev libjpeg-turbo8-dev libjpeg8-dev libkmlbase1
  libkmlcore1 libkmlengine1 libliblept5 libminizip1 libmysqlclient21 libnetcdf19
  libodbc2 libodbcinst2 libogdi4.1 libopencv-calib3d4.5d libopencv-contrib4.5d
  libopencv-dnn4.5d libopencv-features2d4.5d libopencv-flann4.5d
  libopencv-highgui4.5d libopencv-imgcodecs4.5d libopencv-imgproc4.5d
  libopencv-ml4.5d libopencv-objdetect4.5d libopencv-photo4.5d
  libopencv-shape4.5d libopencv-stitching4.5d libopencv-superres4.5d
  libopencv-video4.5d libopencv-videoio4.5d libopencv-videostab4.5d
  libopencv-viz4.5d libopenexr-dev libpng-dev libpq5 libproj22 libraw1394-dev
  librttopo1 libsocket++1 libspatialite7 libsuperlu5 libswresample-dev
  libswscale-dev libsz2 libtbb-dev libtesseract4 libtiff-dev libtiffxx5
  liburiparser1 libvtk9.1 libxerces-c3.2 mysql-common proj-data
  unixodbc-common
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libgsl27 libgslcblas0 libguvcview-2.0-2 libportaudio2 libwebcam0 uvcdynctrl
  uvcdynctrl-data
```

## 2.2、GUVView usage

Enter the application menu bar and click the `guvcview` icon or enter the startup command in the terminal: Select USB camera, CSI camera has no preview screen

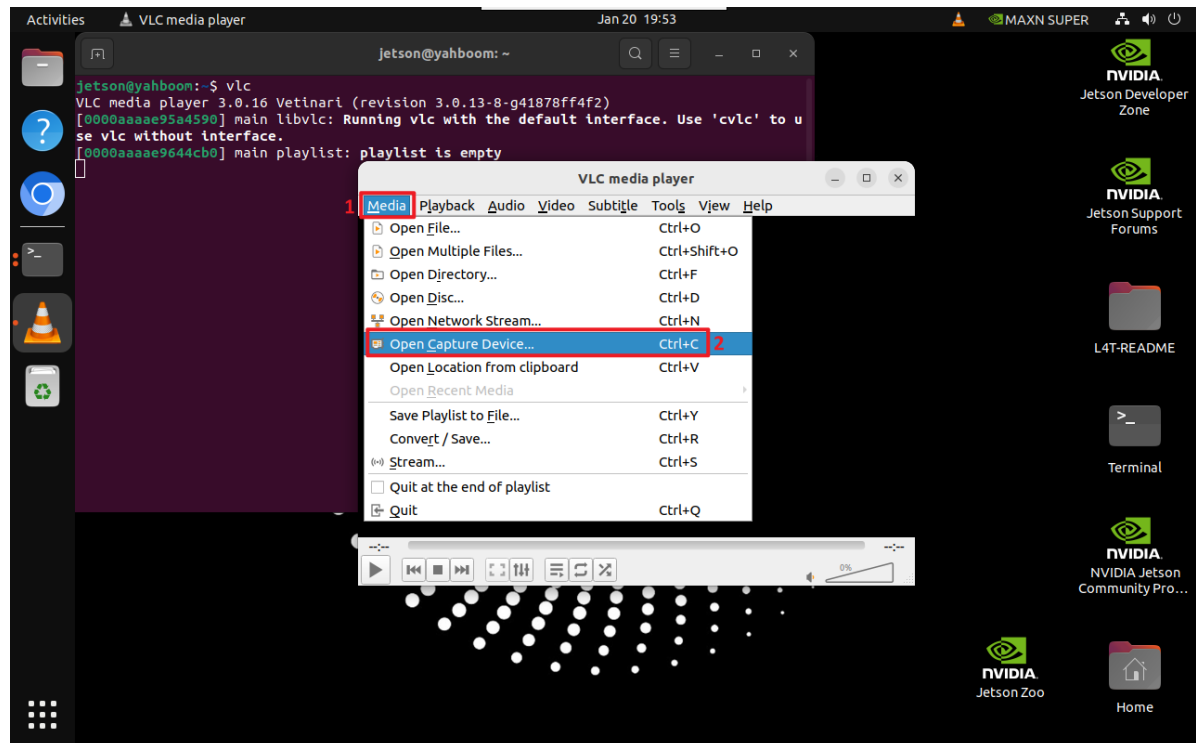
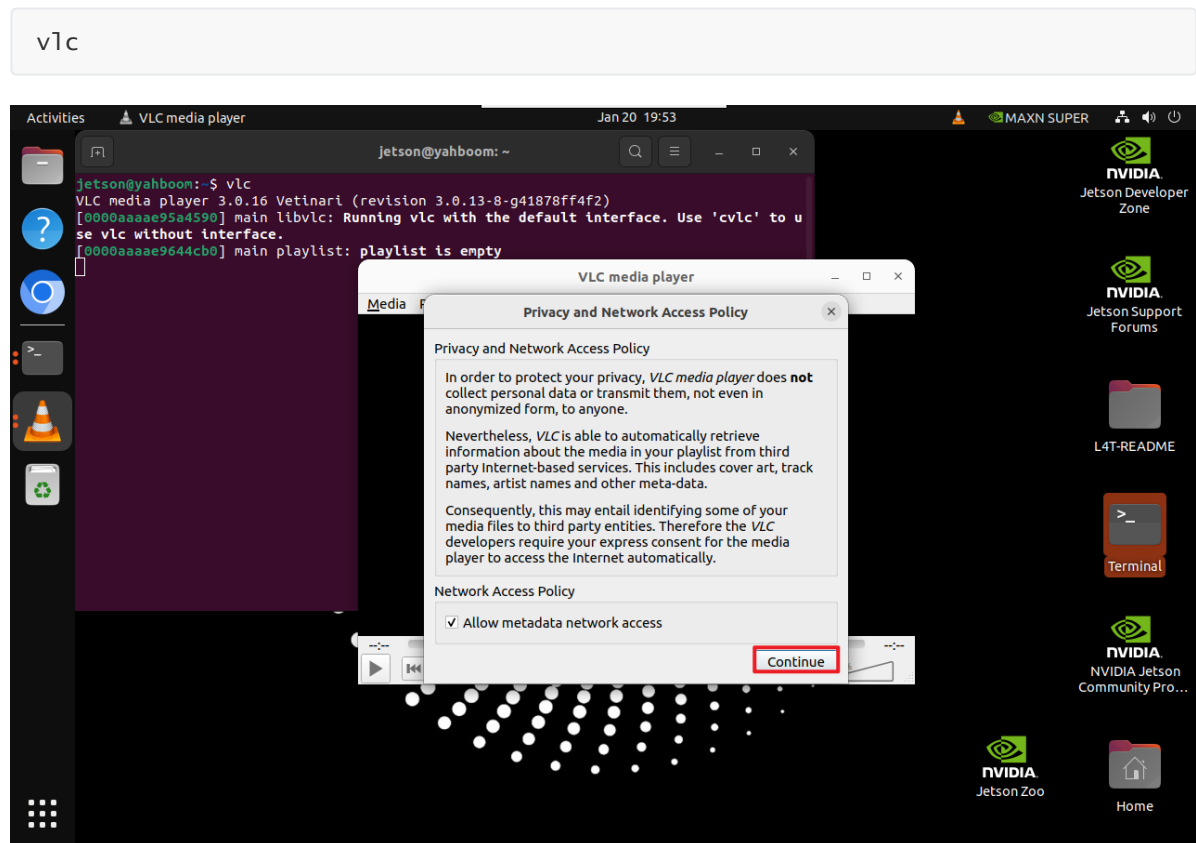
```
guvcview
```





## 3.2, VLC use

Enter the application menu bar and click `vlc media player` icon or enter the start command in the terminal: Select USB camera, CSI camera has no preview screen



Select the device number corresponding to the USB camera:

