USB camera preview

USB camera preview
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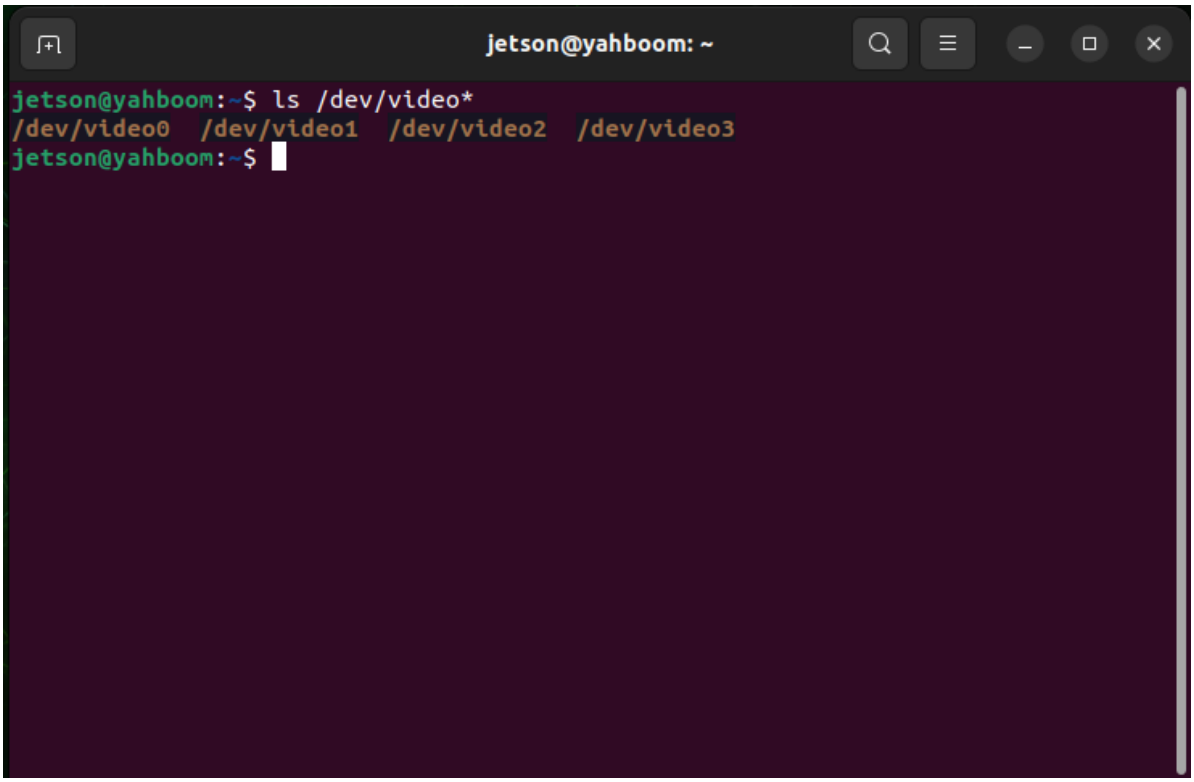
1. View video device

```
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)

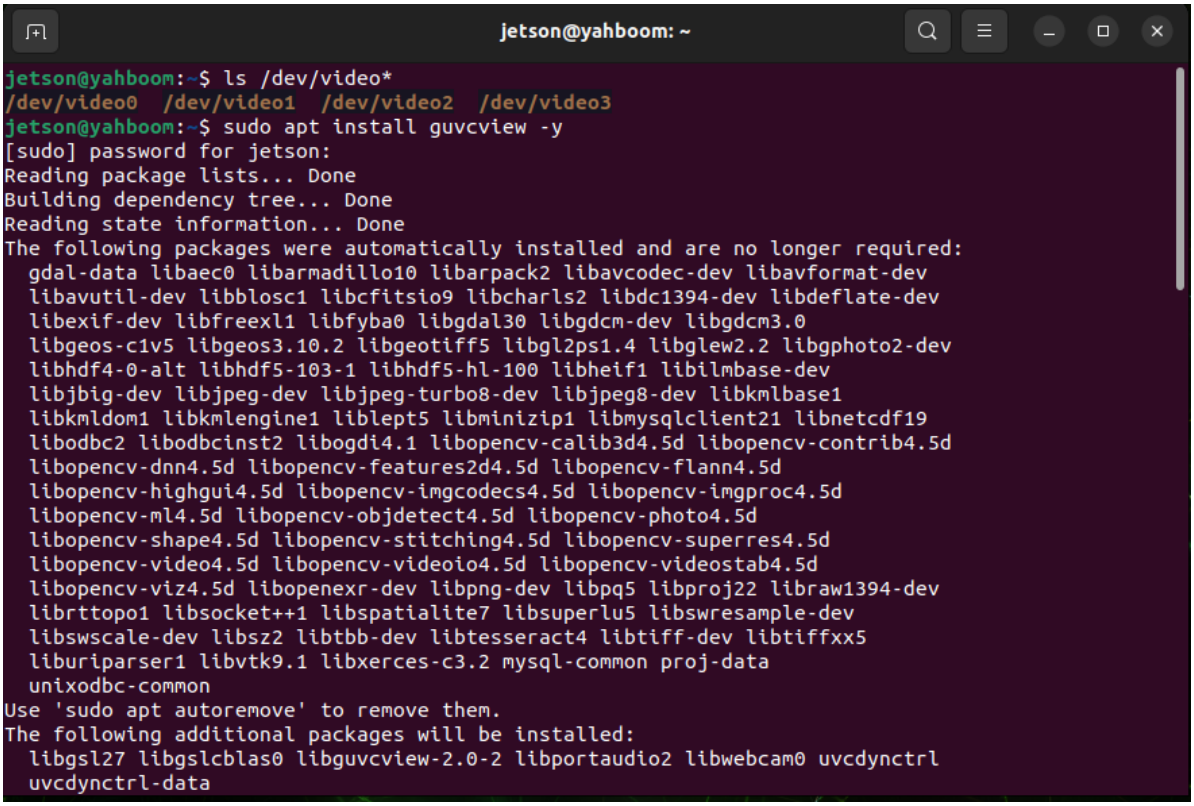


2. GUVCView

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

2.1、GUVCView installation

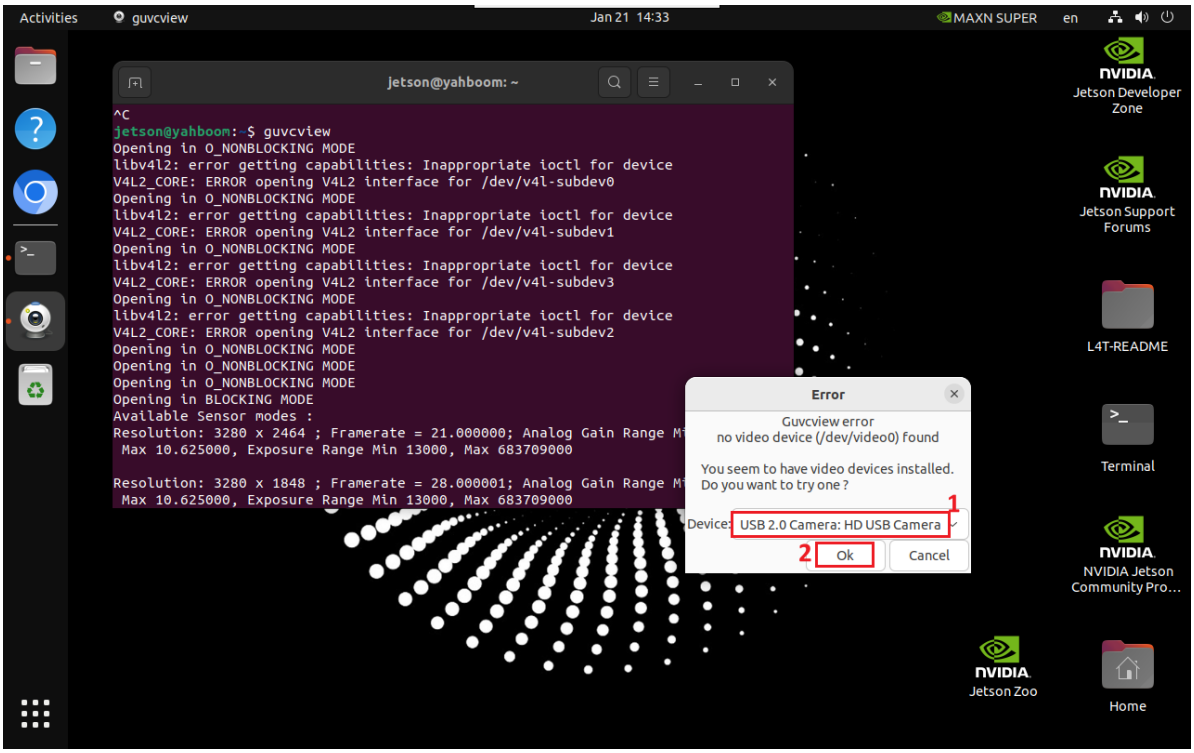
```
sudo apt update
sudo apt install guvcview -y
```

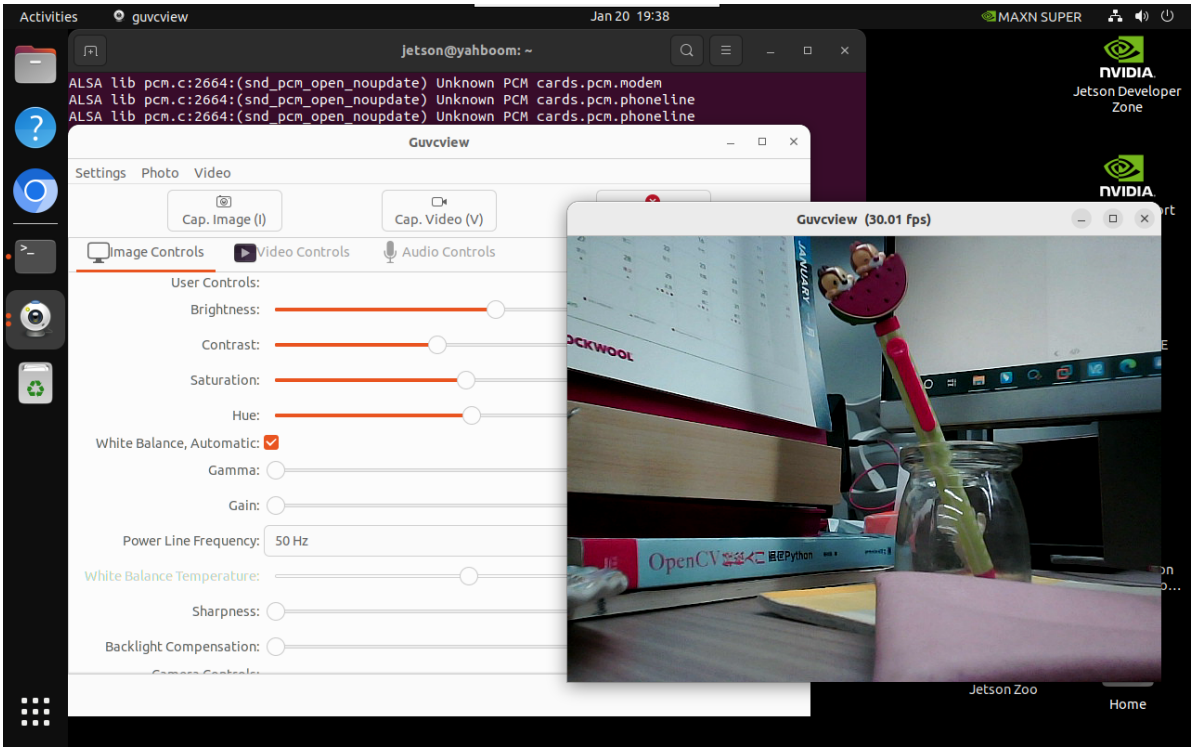


2.2、GUVCView usage

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
```



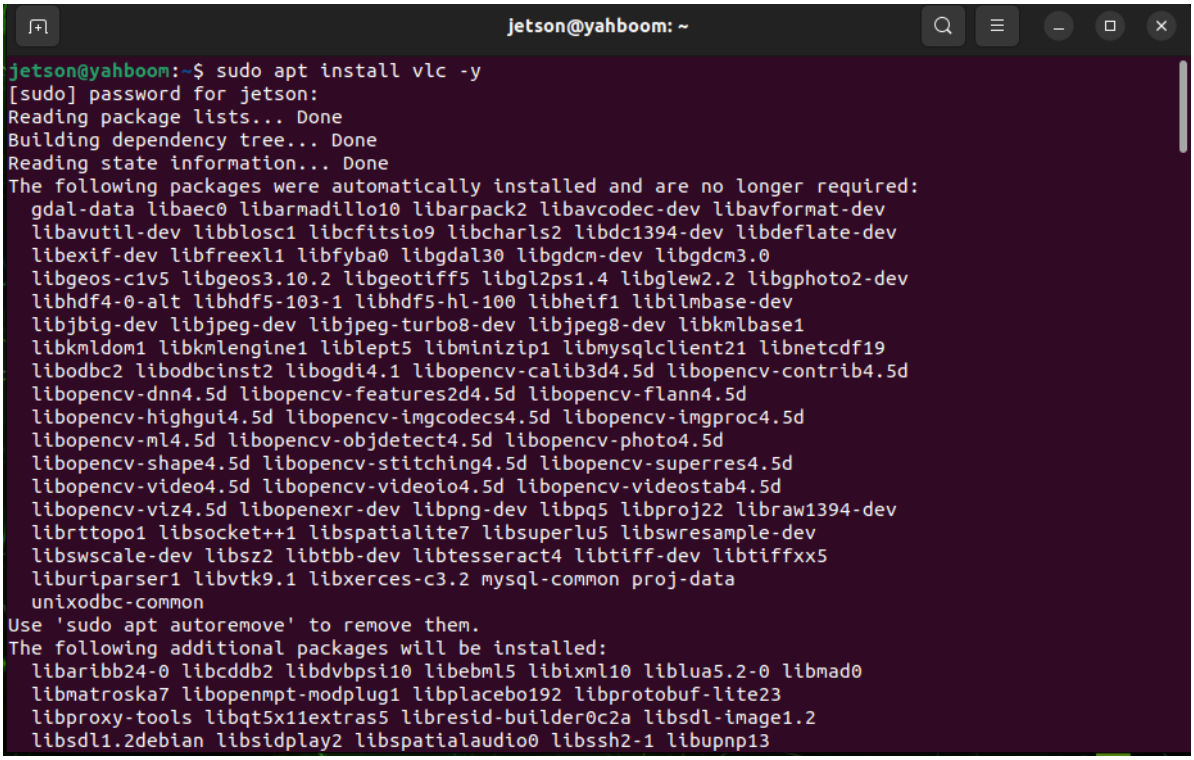


3、VLC

VLC media player is a free and open source multimedia player that supports multiple audio and video formats as well as DVD, audio CD, VCD and various streaming protocols.

3.1, VLC installation

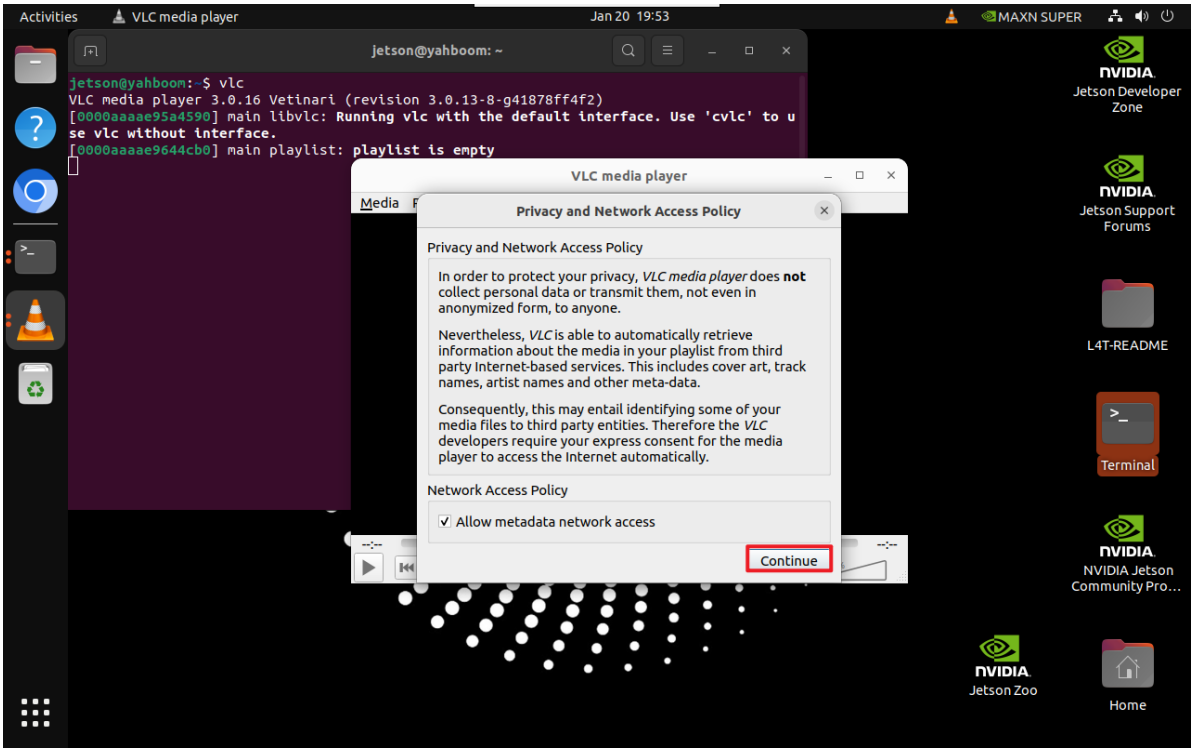
```
sudo apt update
sudo apt install vlc -y
```

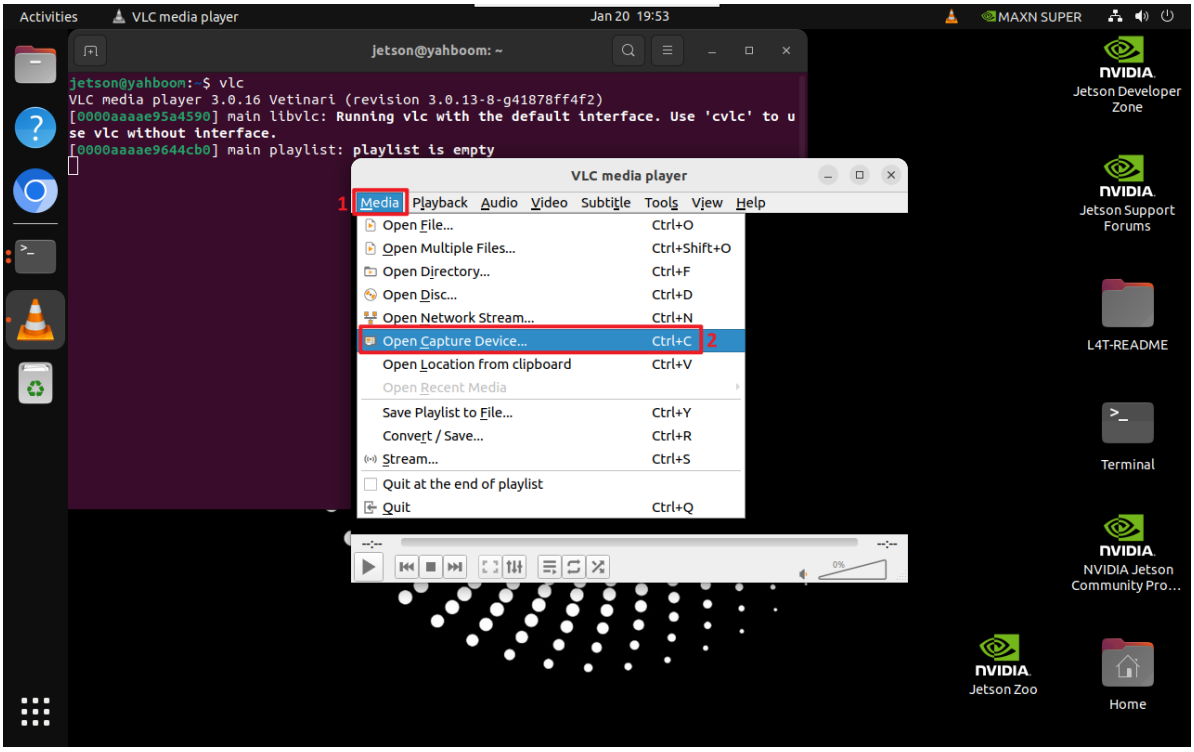


3.2, VLC use

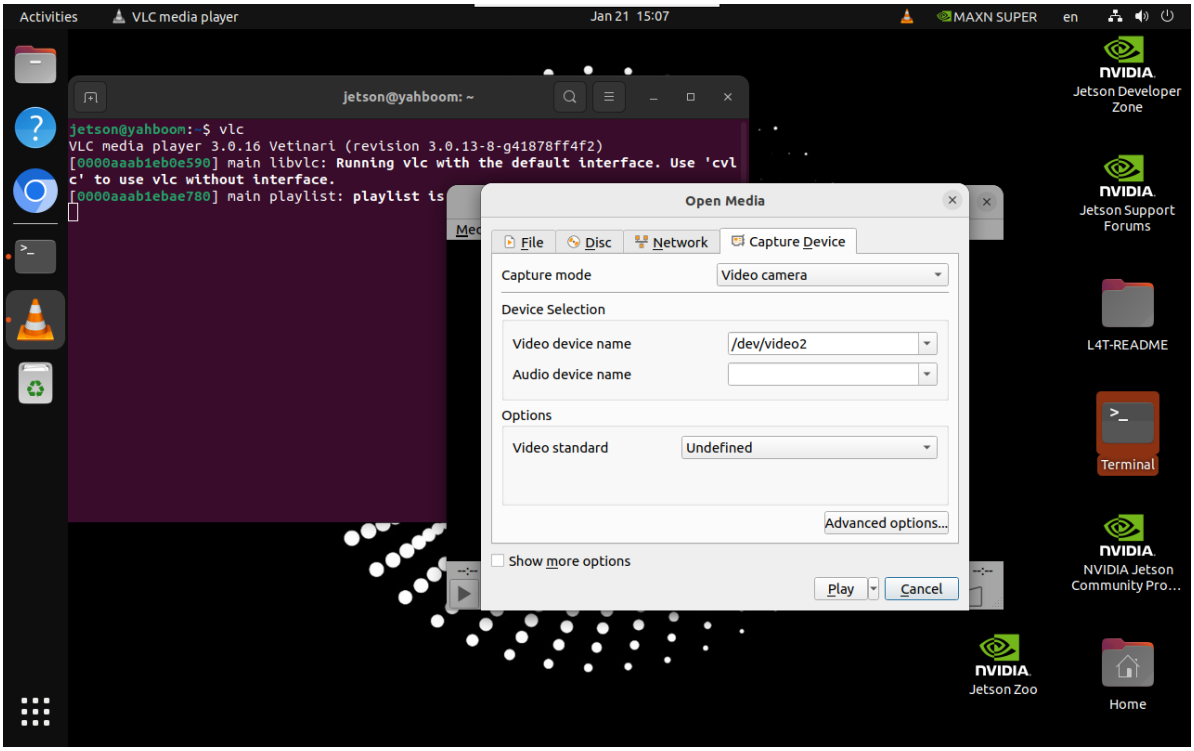
Enter the application menu bar and click `VLC media player` icon or enter the start command in the terminal: Select USB camera, CSI camera has no preview screen

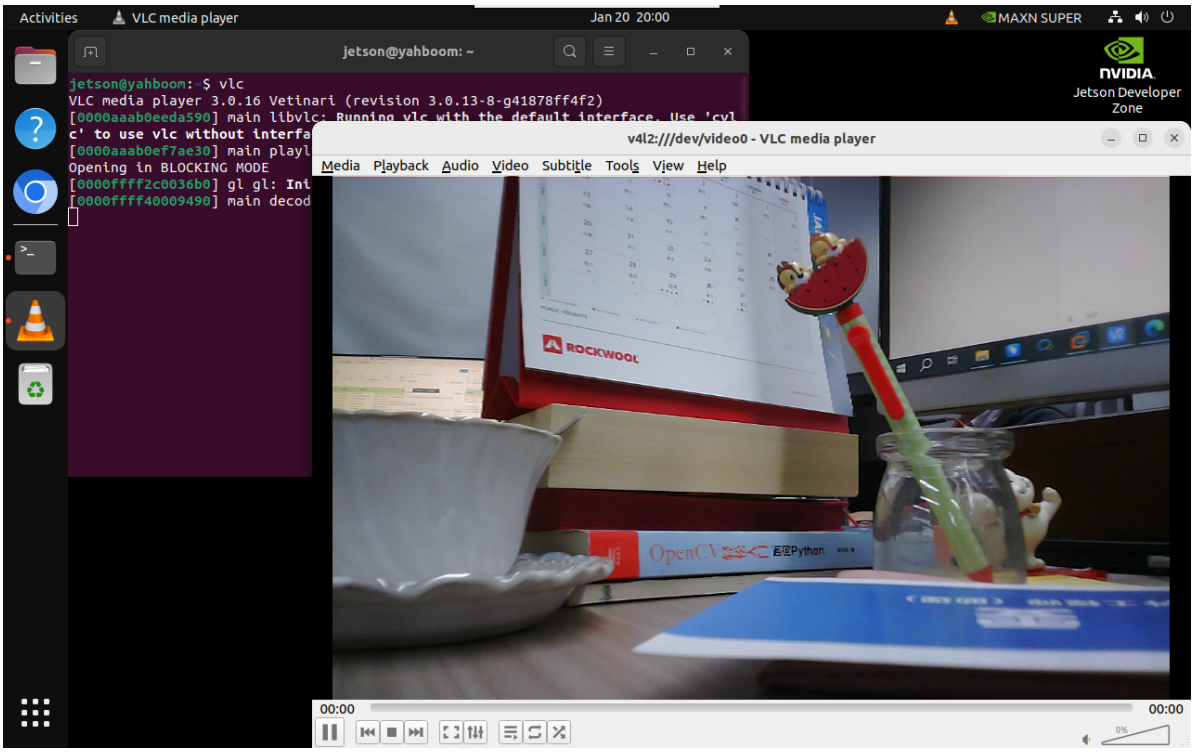
```
vlc
```





Select the device number corresponding to the USB camera:


Activities
VLC media player
Jan 21 15:07
MAXN SUPER
en
jetson@yahboom: ~
jetson@yahboom:~$ vlc
VLC media player 3.0.16 Vetinari (revision 3.0.13-8-g41878ff4f2)
[0000aaab1eb0e590] main libvlc: Running vlc with the default interface. Use 'cvl
c' to use vlc without interface.
[0000aaab1ebae780] main playlist: playlist is
Open Media
File
Disc
Network
Capture Device
Capture mode
Video camera
Device Selection
Video device name
/dev/video2
Audio device name
Options
Video standard
Undefined
Advanced options...
Show more options
Play
Cancel
NVIDIA Jetson Developer Zone
NVIDIA Jetson Support Forums
L4T-README
Terminal
NVIDIA NVIDIA Jetson Community Pro...
NVIDIA Jetson Zoo
Home


Activities
VLC media player
Jan 20 20:00
MAXN SUPER
jetson@yahboom: ~
jetson@yahboom:~$ vlc
VLC media player 3.0.16 Vetinari (revision 3.0.13-8-g41878ff4f2)
[0000aaab0eeda590] main libvlc: Running vlc with the default interface. Use 'cvl
c' to use vlc without interfa
[0000aaab0ef7ae30] main playl
Opening in BLOCKING MODE
[0000ffff2c0036b0] gl gl: Ini
[0000ffff40009490] main decod
v4l2:///dev/video0 - VLC media player
Media Playback Audio Video Subtitle Tools View Help
ROCKWOOL
OpenCV
Python
00:00
00:00
NVIDIA Jetson Developer Zone