Environment Setup

Using our system image does not require installing or updating any software, just run the camera startup command!

References

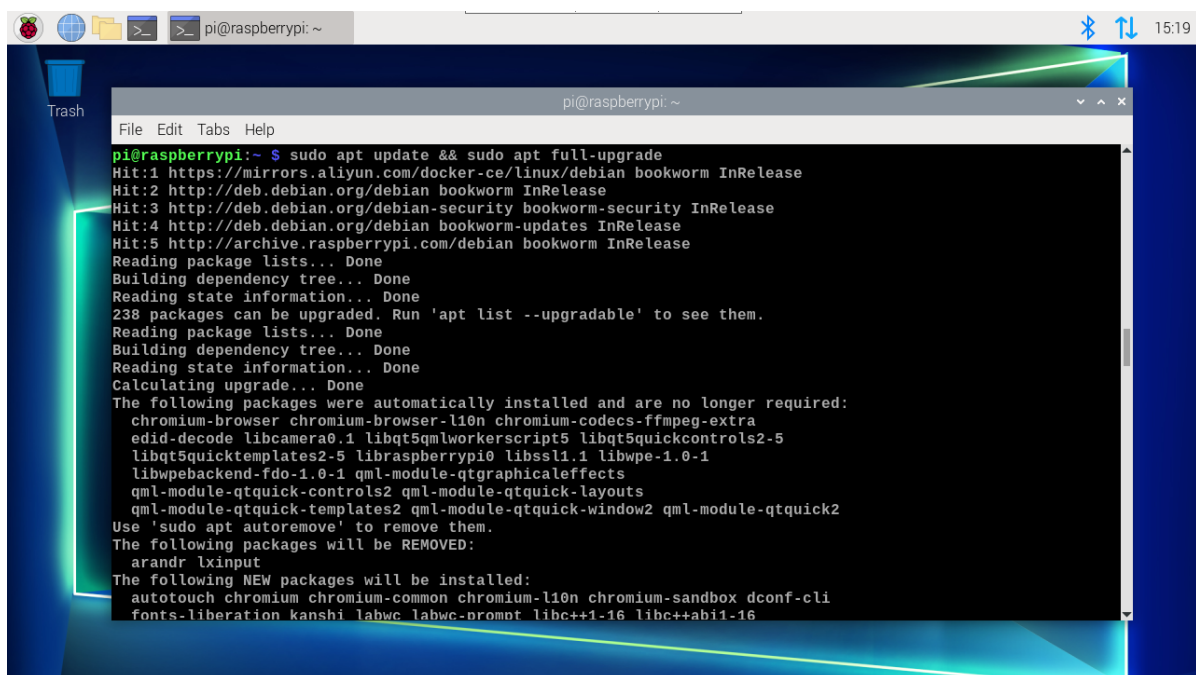> **Official website of Raspberry Pi AI Camera**

https://www.raspberrypi.com/documentation/accessories/ai-camera.html

Update system environment

Make sure Raspberry Pi runs the latest software:

```
sudo apt update && sudo apt full-upgrade
```


Install IMX500 firmware

Firmware is required to start the camera:

```
sudo apt install imx500-all
```
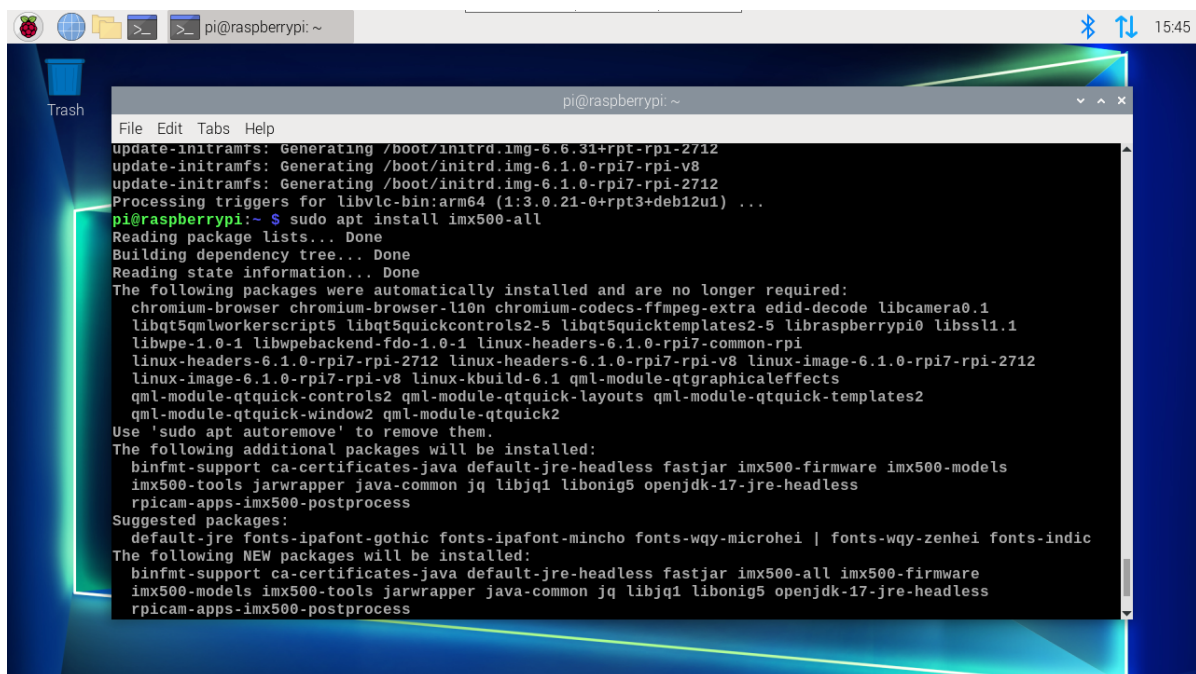
Restart the system
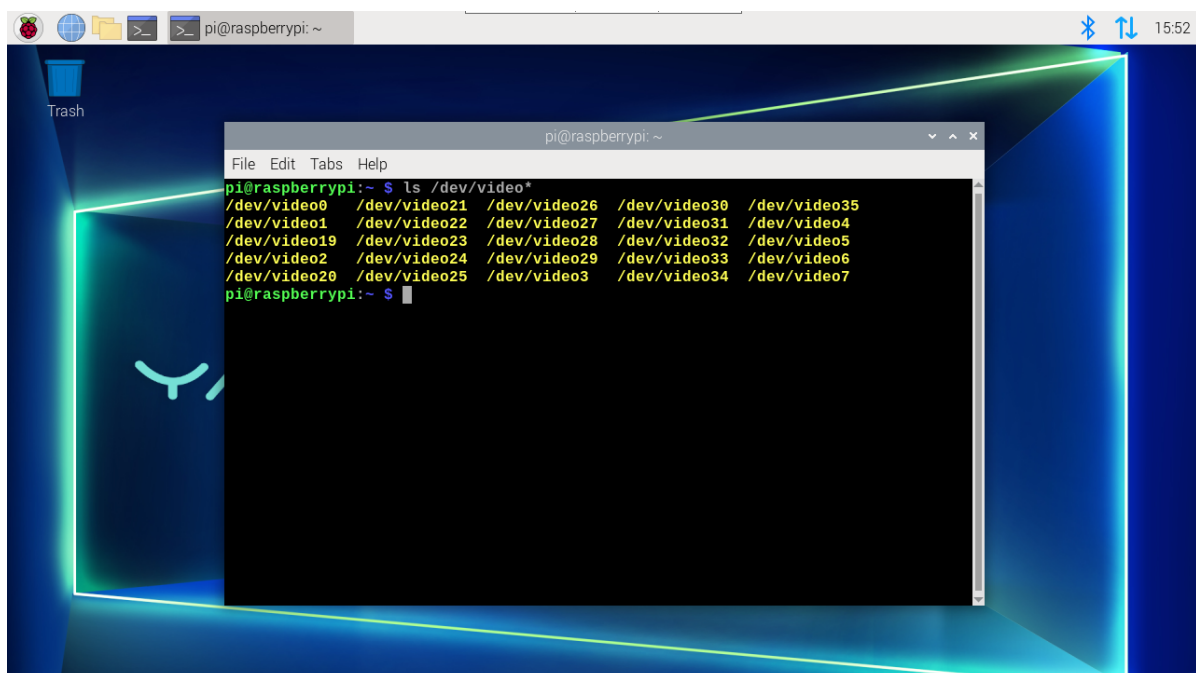
Restart the system, and the previous operations will take effect:

```
sudo reboot
```

Camera preview

- Check the camera device number
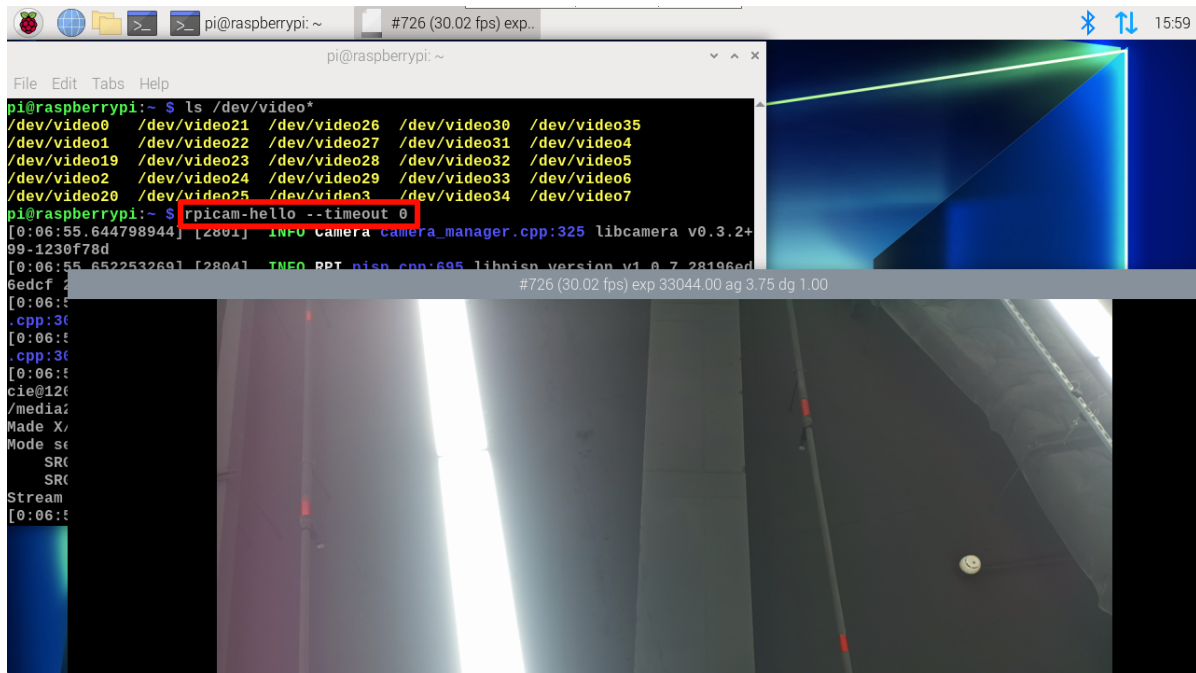
```
ls /dev/video*
```


- Check the camera screen

Preview the screen for 5 seconds:

```
rpicam-hello
```

Continue to preview the screen:

```
rpicam-hello --timeout 0
```


Press Ctrl+c in the terminal or click the x in the upper right corner of the screen to close the program.