

# Linux

## Base

edit /etc/locale.gen and run locale-gen

```
apt-get install wiringpi python-pip  
  
# test GPIO  
gpio readall
```

non fare con raspbian recenti

```
# apt install rpi-update  
# rpi-update
```

## camera

```
pip install "picamera[array]"
```

```
raspistill -tl 100 [-t 99999]
```

- [picamera](#)
- [opencv 3.2](#)
- [opencv and raspberry](#)

## view picamera as normal USB camera

add to /etc/modules

```
echo bcm2835-v4l2 >> /etc/modules-load.d/modules.conf
```

control panel to change camera settings

```
sudo apt install v4l2ucp
```

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