

Raspberry pi Webcam

What do you need:

- ⑩ raspberry pi (latest model preferred)
- ⑩ microsdcard
- ⑩ dongle
- ⑩ raspberry pi camera module
- ⑩ keyboard
- ⑩ mouse
- ⑩ screen
- ⑩ hdmi cable

Steps:

We will be using the terminal, so open the terminal on the Pi or connect to it via SSH.

- 1) update the Raspberry Pi, so you're running on the latest version.

```
sudo apt-get update  
sudo apt-get upgrade
```

- 2) install the following packages.

```
sudo apt-get install libjpeg-dev gettext libmicrohttpd-dev libavformat-dev  
libavcodec-dev libavutil-dev libswscale-dev libavdevice-dev libwebp-dev  
mysql-common libmariadbclient18 libpq5
```

- 3) Install motion

```
sudo wget https://github.com/Motion-Project/motion/releases/download/release-  
4.2.1/pi_stretch_motion_4.2.1-1_armhf.deb  
sudo dpkg -i pi_stretch_motion_4.2.1-1_armhf.deb
```

Configuring Motion

```
sudo nano /etc/motion/motion.conf
```

1. Find the following lines and update them to the following.

- ⑩ daemon on
- ⑩ stream_localhost off

Change the following two lines from on to off if you're having issues with the stream freezing whenever motion occurs.

- ⑩ picture_output off
- ⑩ movie_output off

2. setup daemon

```
sudo nano /etc/default/motion
```

```
start_motion_daemon=yes
```

3. Starting

```
Sudo service motion start
```

4. type in your ip and :8081

```
192.168.1.125:8081
```

Remember: Wire Guard here might be your best friend 😊