**Raspberry pi Webcam**

**What do you need:**

* raspberry pi (latest model preffered)
* microsdcard
* dongle
* raspberry pi camera module
* keyboard
* mouse
* screen
* 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.

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| --- |
| sudo apt-get update  sudo apt-get upgrade |

1. install the following packages.

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| 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 |

1. Install motion

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| 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

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| sudo nano /etc/motion/motion.conf |

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

* daemon on
* stream\_localhost off

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

* picture\_output off
* movie\_output off

2. setup daemon

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| --- |
| sudo nano /etc/default/motion |
| start\_motion\_daemon=yes |

3. Starting

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| --- |
| Sudo service motion start |

4. type in your ip and :8081

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| 192.168.1.125:8081 |

Remember: Wire Guard here might be your best friend 