# Raspberry Pi Surveillance

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Summary: Learn to use a Raspberry Pi to create a video surveillance or home automation system.

### Prerequisites

Experience with Raspbian software and linux.

Experience downloading software from the Internet.

Creation of SD cards

## Introduction

A frequent use for Raspberry Pi single board computers is to create a home security system. This includes video surveillance software with motion detection. It can also include door switches, and other security triggers.

## MotionEye

The most common security system is video surveillance. The Raspberry Pi is often used as a video server for security systems.

A well developed cross platform open source video processing software is called Motion.

<https://motion-project.github.io/>

Motion software is described in Wikipedia <https://en.wikipedia.org/wiki/Motion_(surveillance_software)>

The web based front end is called MotionEye.

<https://github.com/ccrisan/motioneye/wiki>

A customized version of Raspian for a Raspberry Pi computer dedicated to video surveillance is called MotionEyeOS

<https://github.com/ccrisan/motioneyeos/wiki>

### Storage of video and images

## PrivateEyePi

When more capability is desired than just video surveillance, the PrivateEyePi software is used. This software includes capabilities for home automation, monitoring of doors, etc.

<http://projects.privateeyepi.com/>

