RPi Alarm System Project Plan

0.Basic feature

1. Motion detection using camera
2. Use official program to shoot video, using H264 format which require less space
3. Add timing + copyright at the bottom of the video
4. Send email with mailbox @ charles14.xyz, upload video to ras.charles14.xyz
5. Realtime video stream on LAN and ras.charles14.xyz

Details: Pi Camera should always be on and capturing video, the video will be available online. The detection program grabs some frames from the video (like 6 fps because Pi 3 doesn’t have a powerful CPU) and detects motion.