樹莓派紅外線環境安全偵測
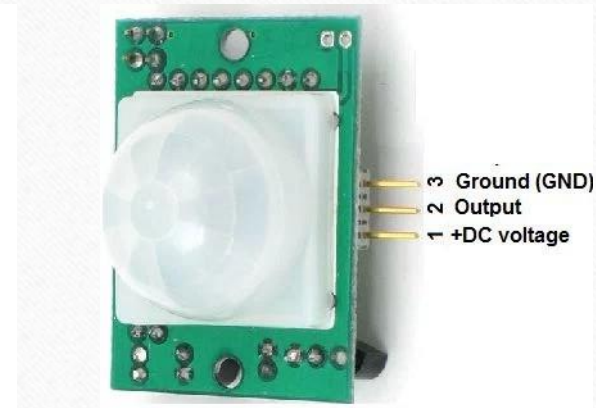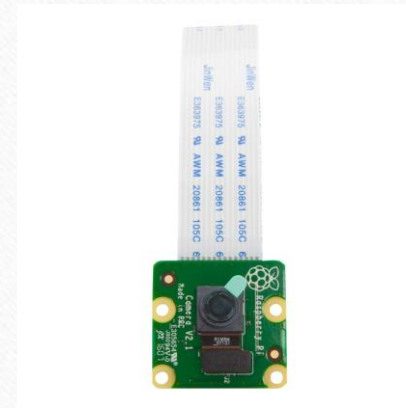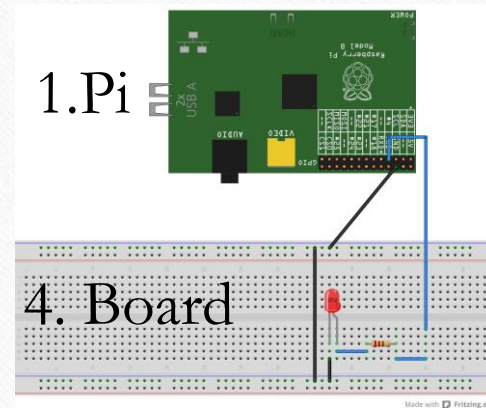## Infrared Sensor with Raspberry Pi

105062336 洪崗竣

105063138 林啟陽

Materials

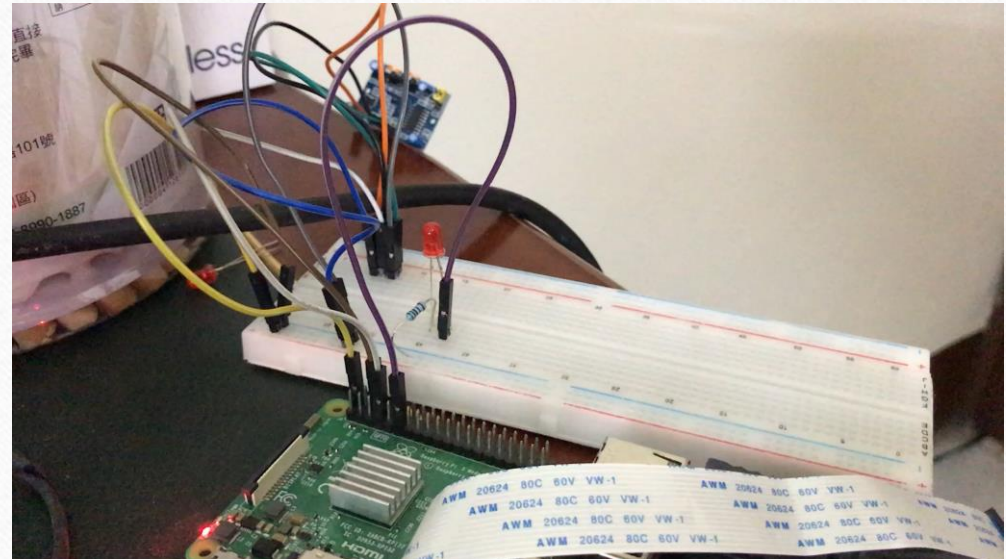- Pi * 1
- Camera * 1
- PIR * 1
- Board * 1
- DuPont lines
- LEDs

1.Pi

4. Board

5. Dupont & LED

2. Camera

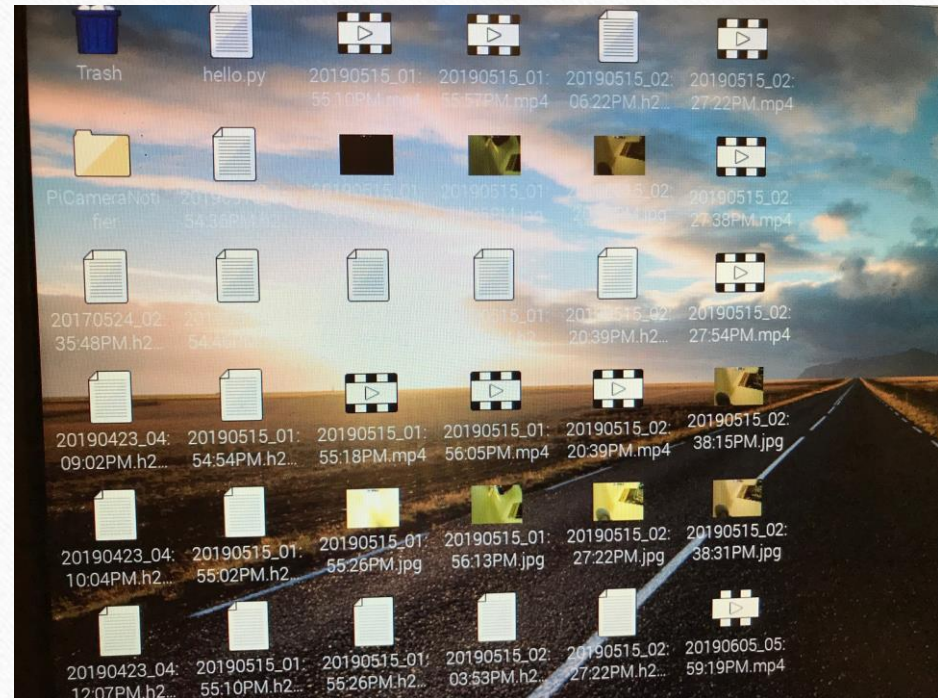

3 Ground (GND)
2 Output
1 +DC voltage

3. PIR

Trigger Camera

- With objects approaching Pi, the PIR installed on Pi will detect the object and trigger the camera and LED to capture the scheme.

Pi Itself

- Even without Internet, pi can store the videos and images that captured by picamera. Then you can take them as proofs.

Audio on Pi

- If you want to scare the strangers, preventing he or she stealing things from you. Then you can get the speakers connected. We have already set a default sound to warn the strangers.

Lower Price of Security System

- Pi * 1 $1440
- Camera * 1 $ 960
- PIR * 1 $ 17
- Board * 1 $ 40
- DuPont lines $ 8
- LEDs $ 1

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