# Timelapse Spy Camera

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https://learn.adafruit.com/timelapse-spy-camera

Last updated on 2021-11-15 06:49:10 PM EST

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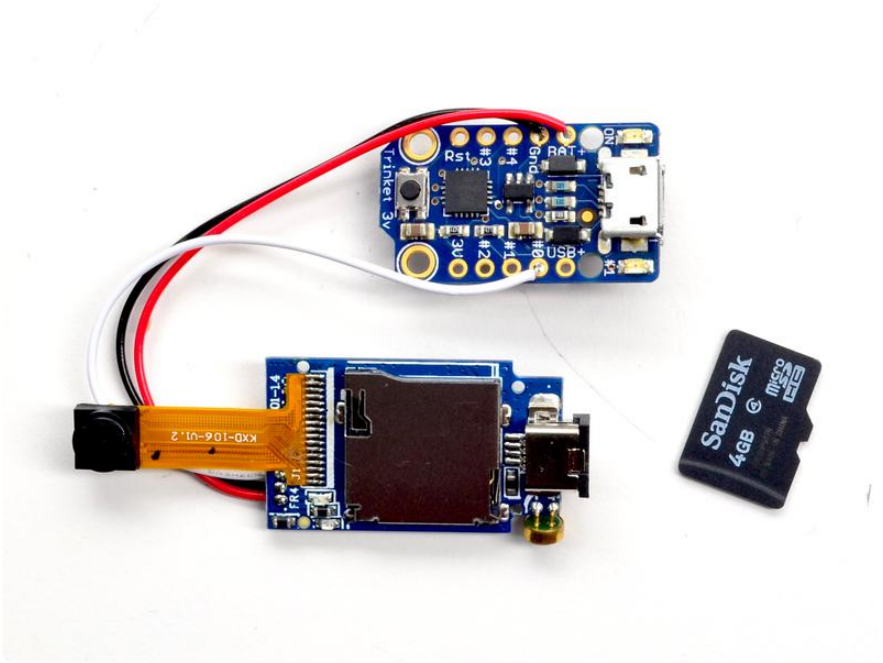
# Overview




Here's a quick guide on how to use the Mini Spy Camera to make timelapses and control from a microcontroller like a Trinket.

# Camera modes

The Spycam can work in two different modes- video and snapshot.

In general, the white trigger line is pulled high.

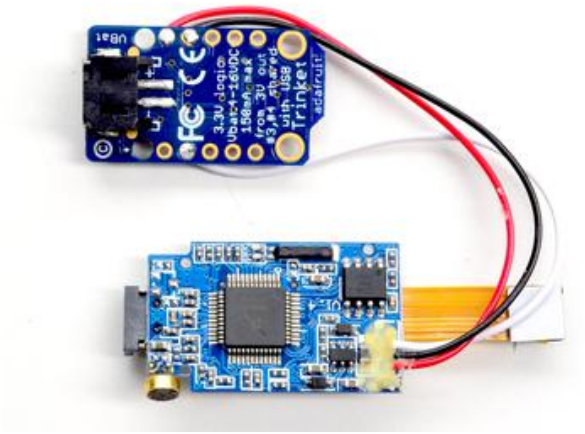
If trigger is pulsed low for a short amount of time (less than half a second) it will take a photo.

If trigger is pulsed low for a long amount of time (a second or longer) it will start/stops video recording.

Follow these instructions to make your own timelapse camera!

# Wiring

- Spycam BLACK -> Trinket GND
- Spycam RED -> Trinket BAT+
- Spycam WHITE -> Trinket PIN 0 (Trigger)



## Solder

Solder the connections listed above between the Trinket & the Spycam.

Also solder a JST connector to the back of the Trinket so you can plug in a Lipo battery.

The larger the battery, the longer it will run, but note that the Spycam is limited to storing 1000 photos maximum.

Below is the code to take a photo every 10 seconds on a Trinket! Follow our Trinket starter guide to learn how to upload code to your Trinket (https://adafru.it/rBF)

# Code

```
int trig = 0;
int led = 1;

void setup() {
  // initialize the digital pins as output.
  pinMode(led, OUTPUT);
  pinMode(trig, OUTPUT);

  digitalWrite(led, HIGH);
  digitalWrite(trig, HIGH);
}

// Hold HIGH and trigger quick (&lt;250ms) LOW to take a photo. Holding LOW and
trigger HIGH starts/stops video recording

void loop() {
  digitalWrite(trig, LOW);
  digitalWrite(led, LOW);

  delay(50);

  digitalWrite(trig, HIGH);
  digitalWrite(led, HIGH);

  //Delay between pictures
  delay(10000);

}
```