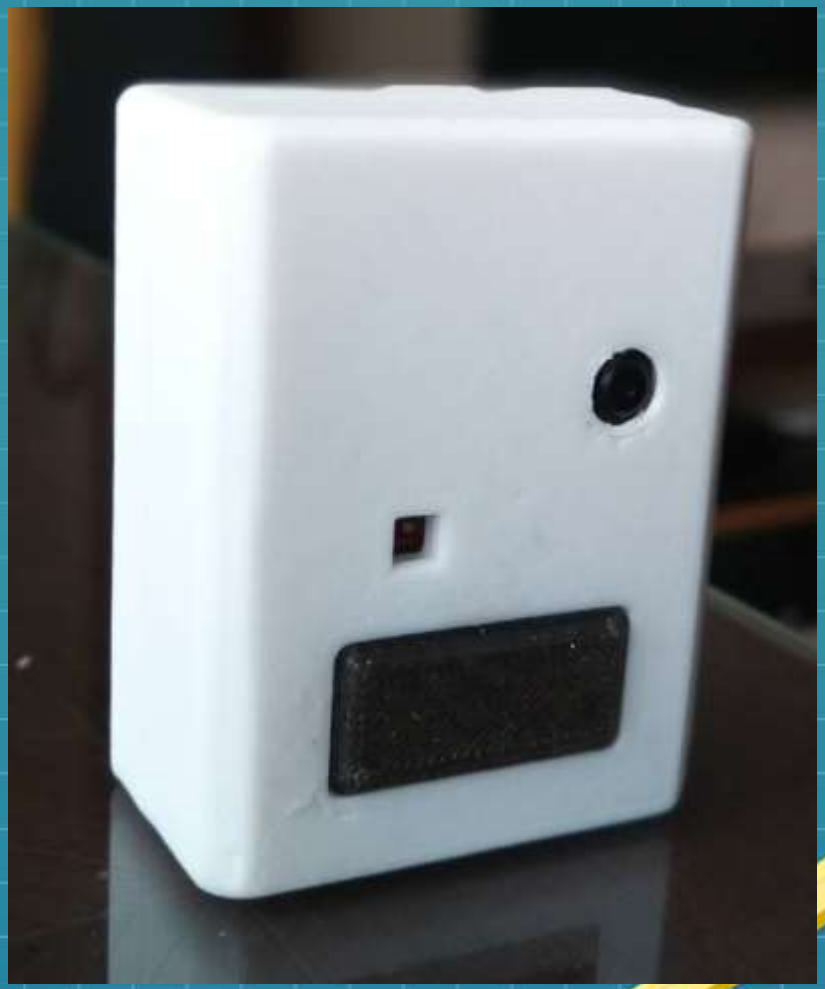
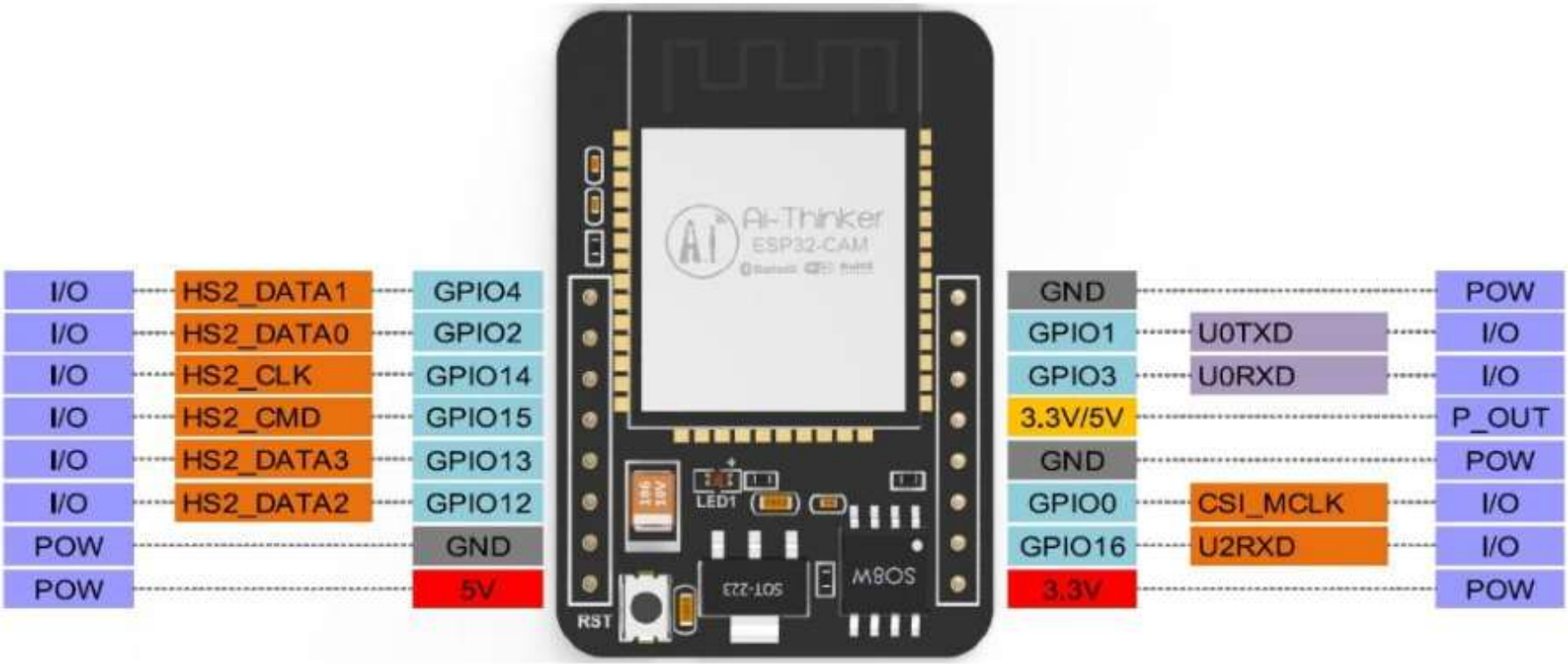
Line 視訊電子門鈴

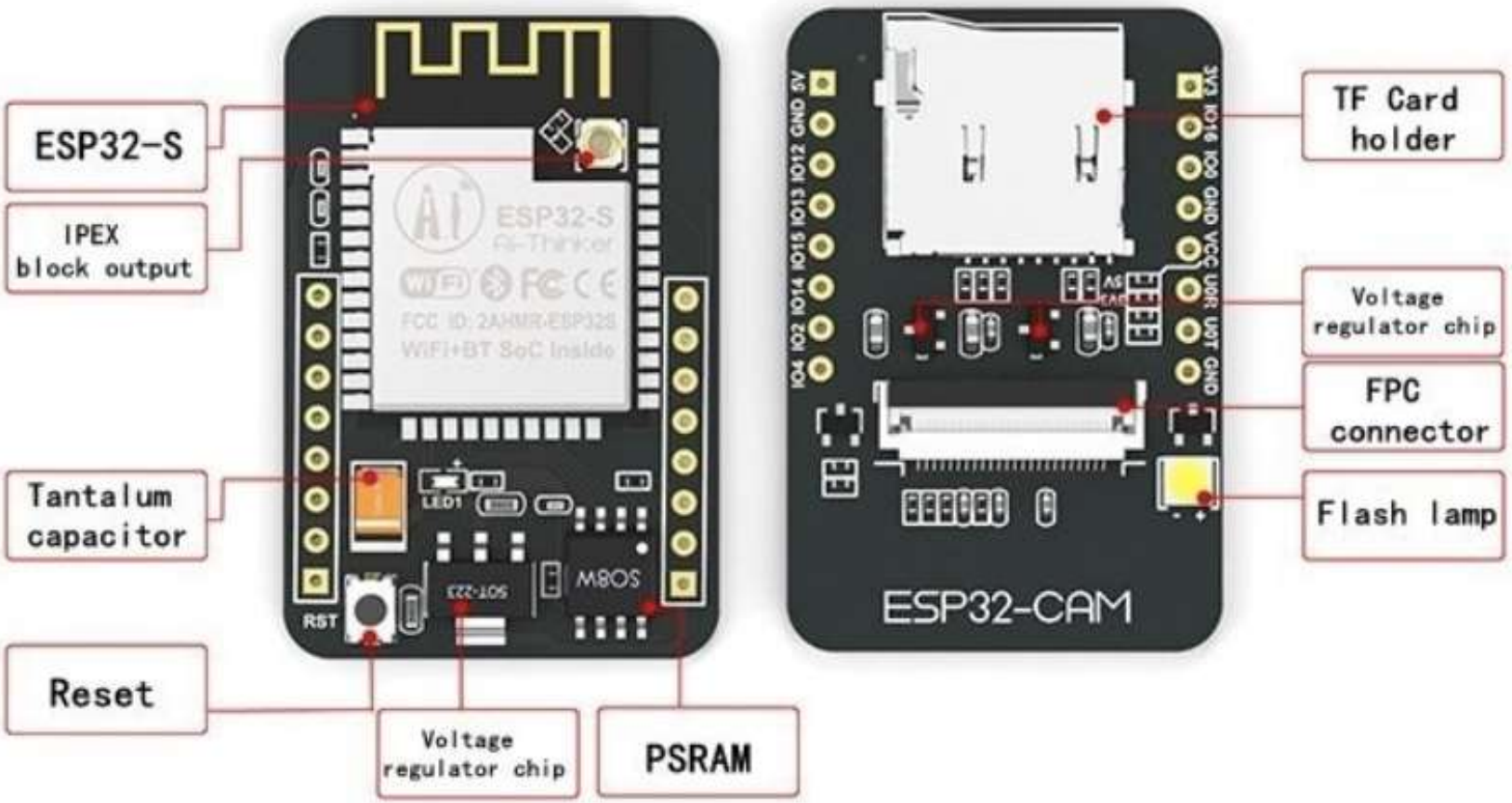


蝸牛手建館

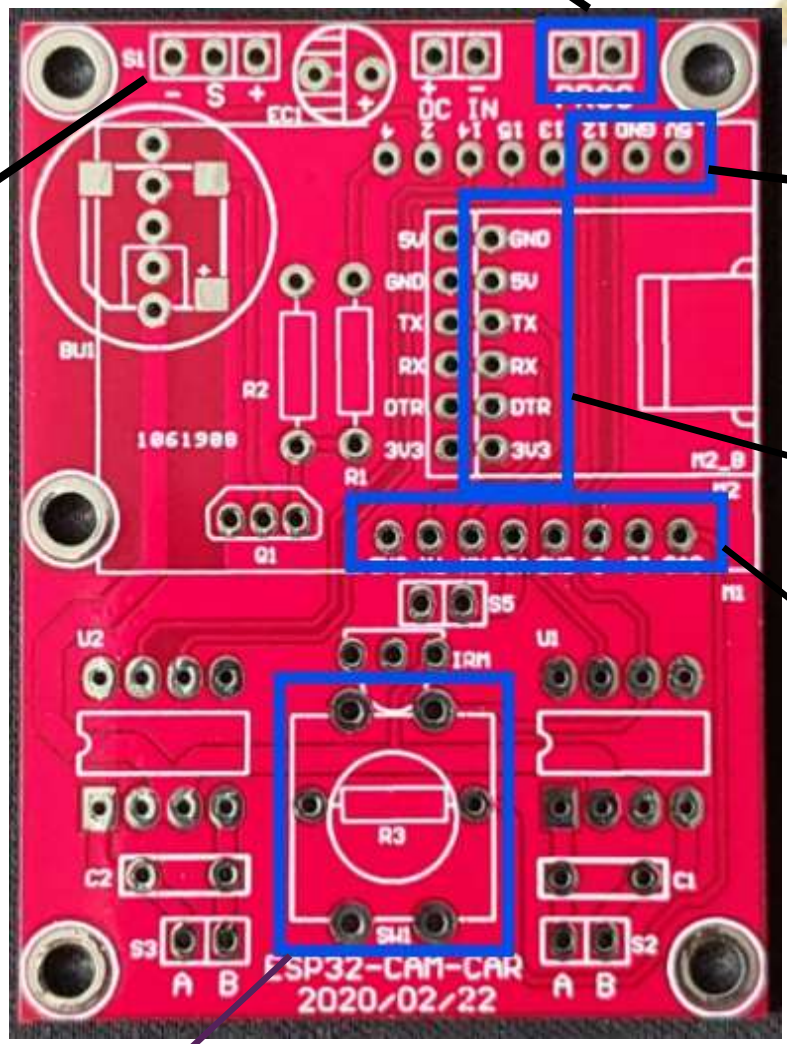
ESP32-CAM 硬體介紹與影像串流測試



ESP32-CAM


ESP32-S
IPEX
block output
Tantalum
capacitor
Reset
Voltage
regulator chip
PSRAM
TF Card
holder
Voltage
regulator chip
FPC
connector
Flash lamp
ESP32-CAM

2P 排針（上傳用）



3P 排針座

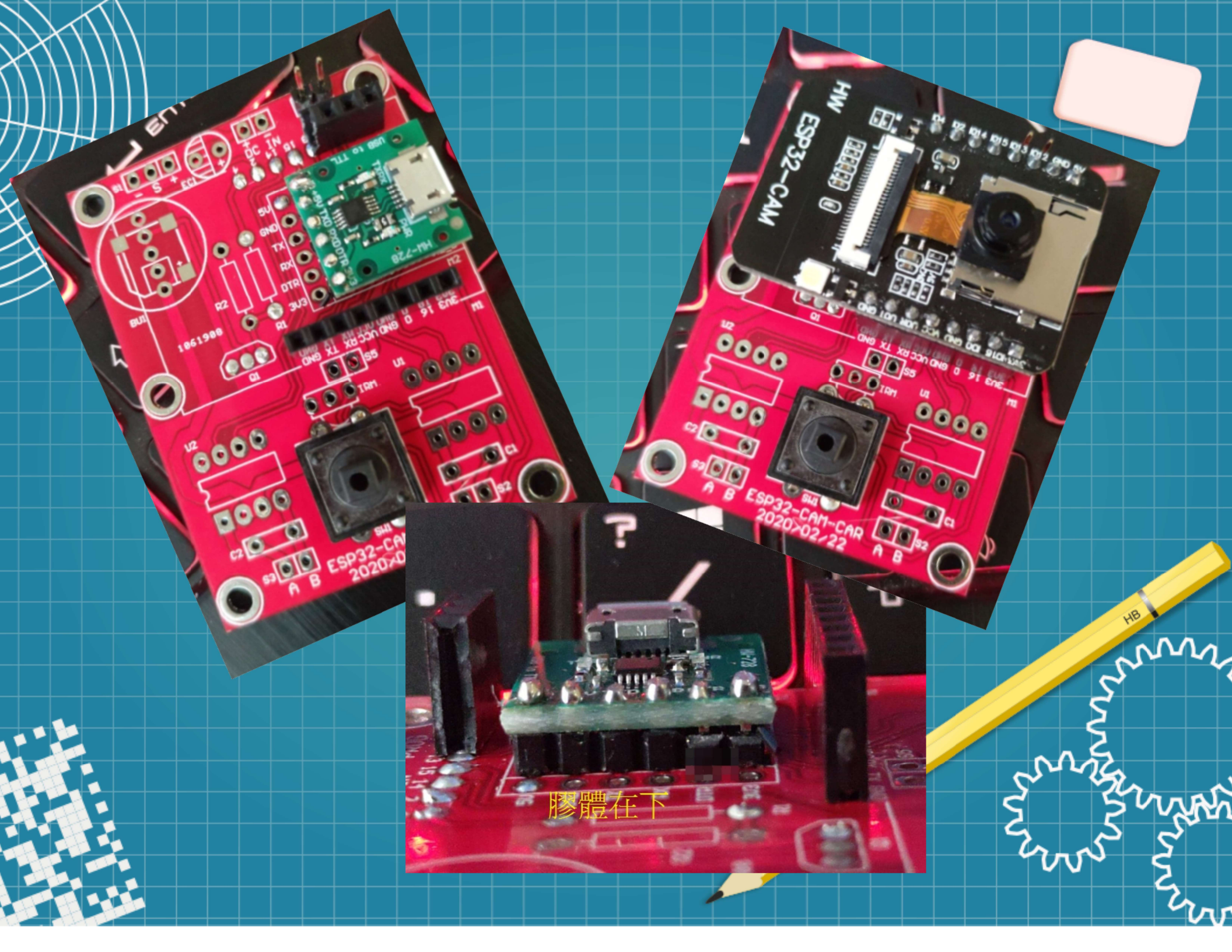
USB to UART

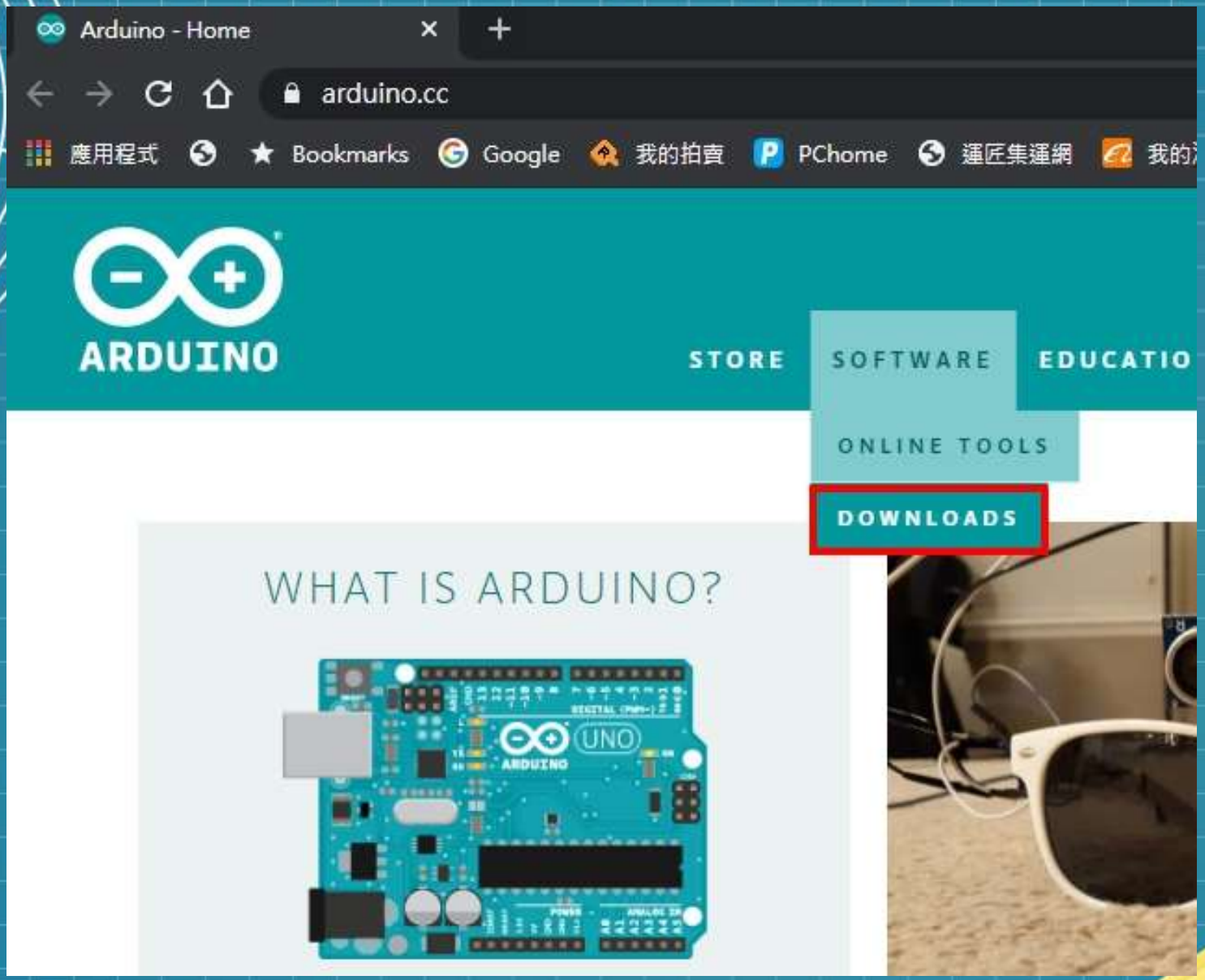
8P 排針座

PIR Sensor

（可自行加裝）

Tact switch


ESP32-CAM
ESP32-CAM-CAR
2020-02-22
膠體在下


Arduino - Home
arduino.cc
應用程式
Bookmarks
Google
我的拍賣
PChome
運匠集運網
ARDUINO
STORE
SOFTWARE
EDUCATIO
ONLINE TOOLS
DOWNLOADS
WHAT IS ARDUINO?
UNO
ARDUINO

Download the Arduino IDE

ARDUINO 1.8.12

The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. It runs on Windows, Mac OS X, and Linux. The environment is written in Java and based on Processing and other open-source software.
This software can be used with any Arduino board.
Refer to the Getting Started page for Installation instructions.

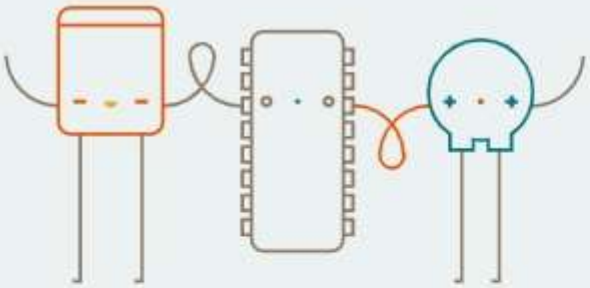
Windows Installer, for Windows XP and up
Windows ZIP file for non admin install

Windows app Requires Win 8.1 or 10
Get

Mac OS X 10.8 Mountain Lion or newer

Linux 32 bits
Linux 64 bits
Linux ARM 32 bits
Linux ARM 64 bits

Release Notes



SINCE MARCH 2015, THE ARDUINO IDE HAS BEEN DOWNLOADED 40,381,885 TIMES. (IMPRESSIVE!) NO LONGER JUST FOR ARDUINO AND GENUINO BOARDS, HUNDREDS OF COMPANIES AROUND THE WORLD ARE USING THE IDE TO PROGRAM THEIR DEVICES, INCLUDING COMPATIBLES, CLONES, AND EVEN COUNTERFEITS. HELP ACCELERATE ITS DEVELOPMENT WITH A SMALL CONTRIBUTION! REMEMBER: OPEN SOURCE IS LOVE!

$3 $5 $10 $25 $50 OTHER

JUST DOWNLOAD

CONTRIBUTE & DOWNLOAD

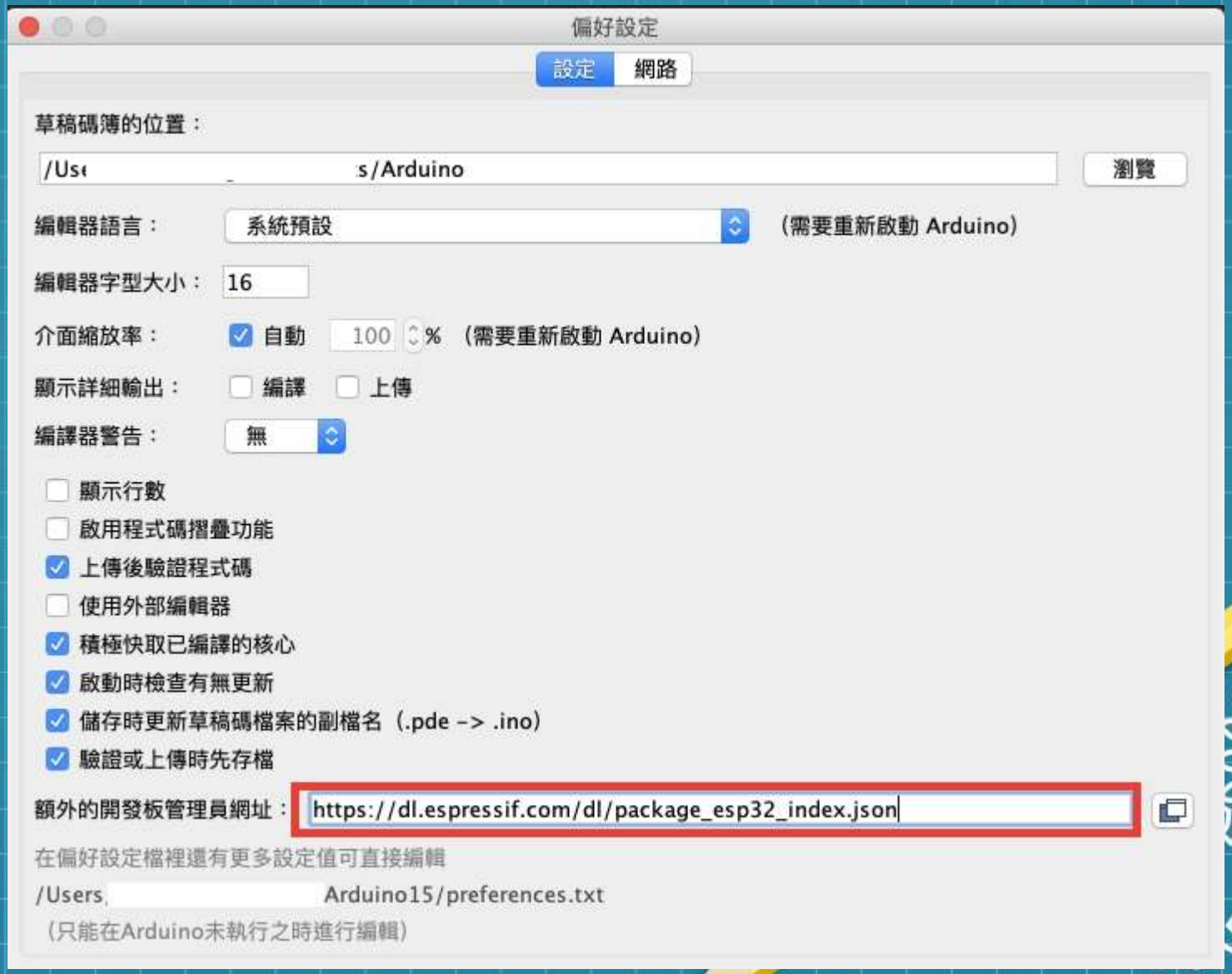
安裝 Arduino IDE

https://reurl.cc/4RRbNv

安裝 CH340 DRIVER

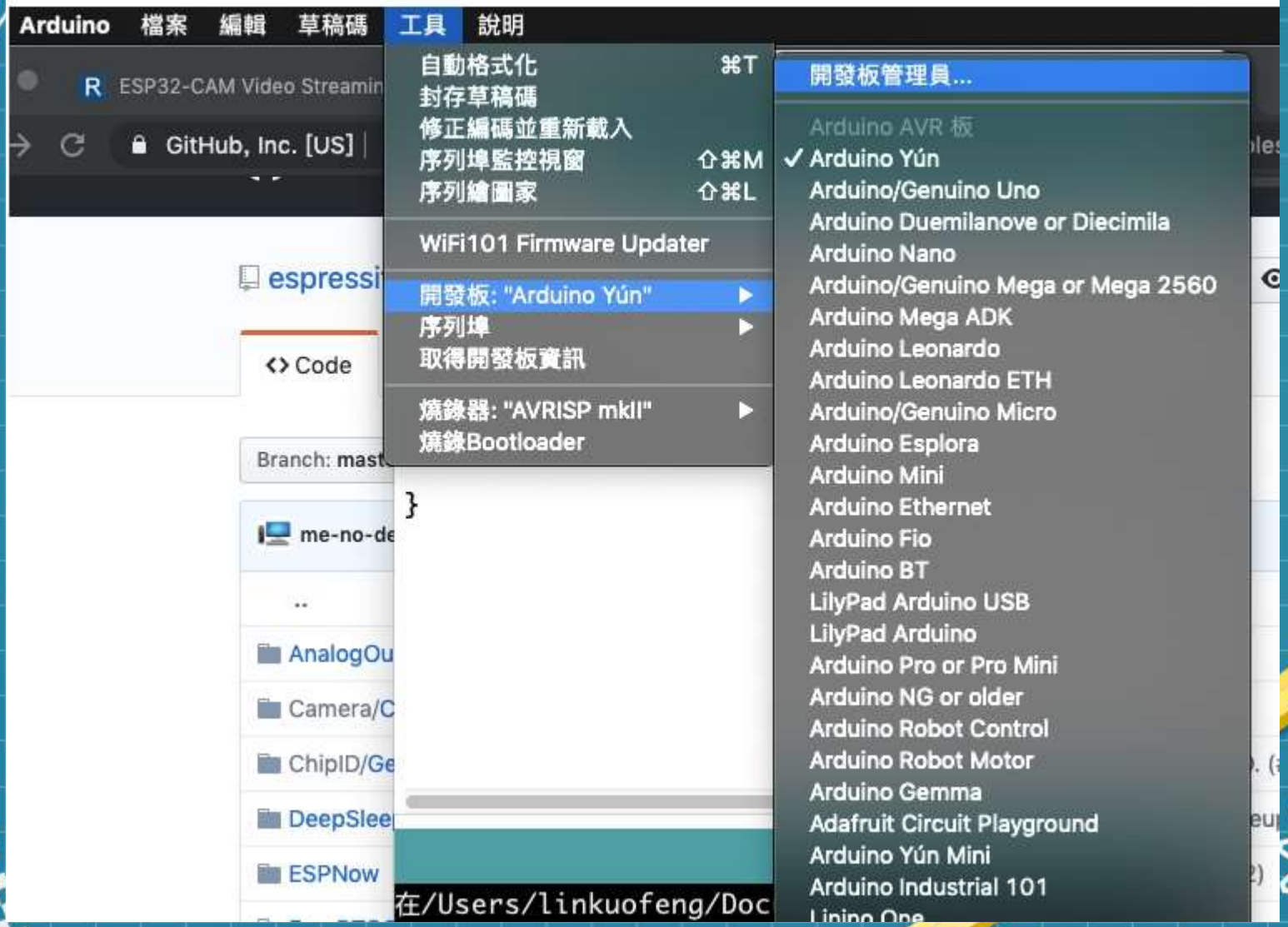
https://reurl.cc/9EEbnj

打開 arduino IDE 從檔案 => 偏好設定
進入以下頁面
https://dl.espressif.com/dl/package_esp32_index.json

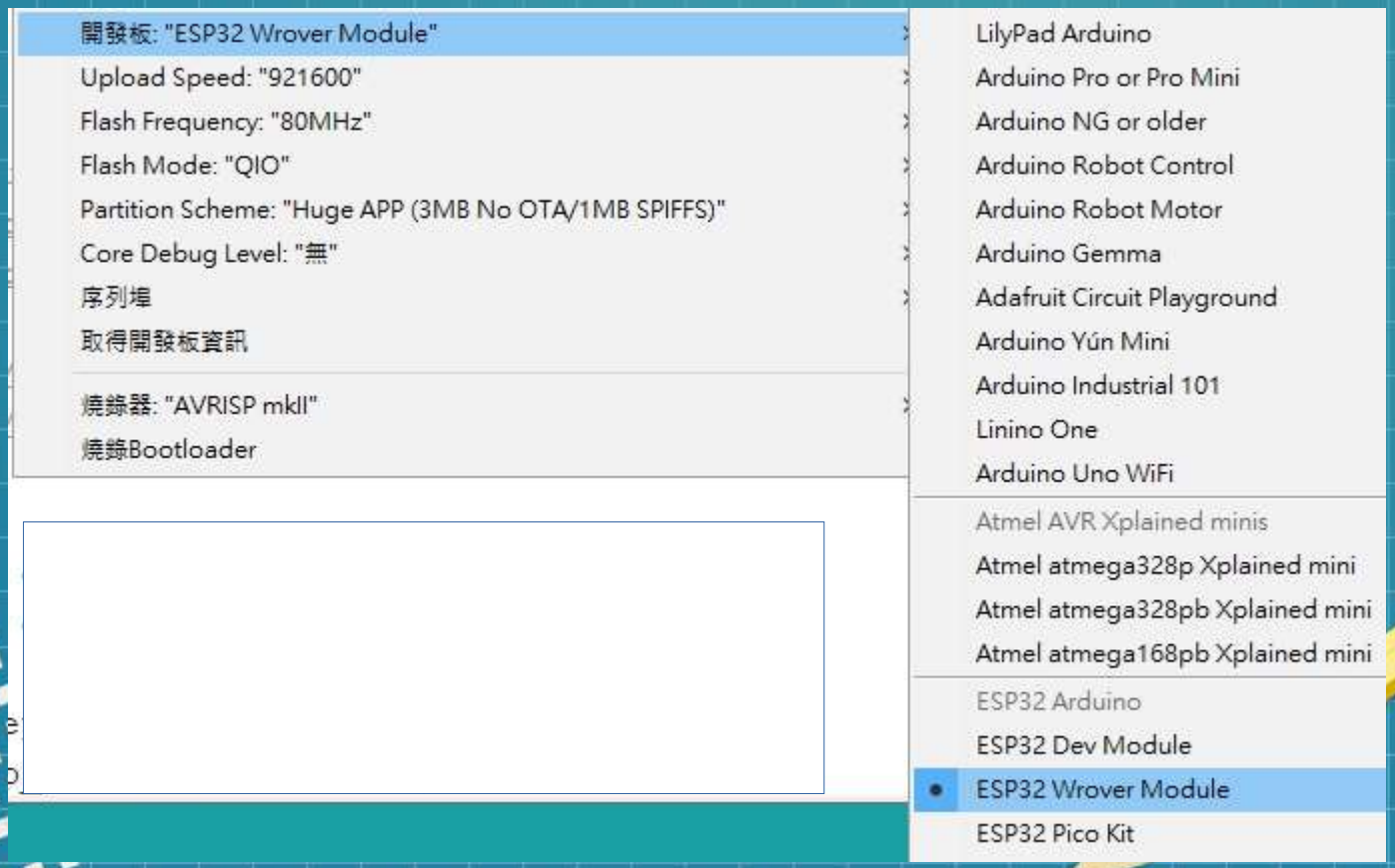


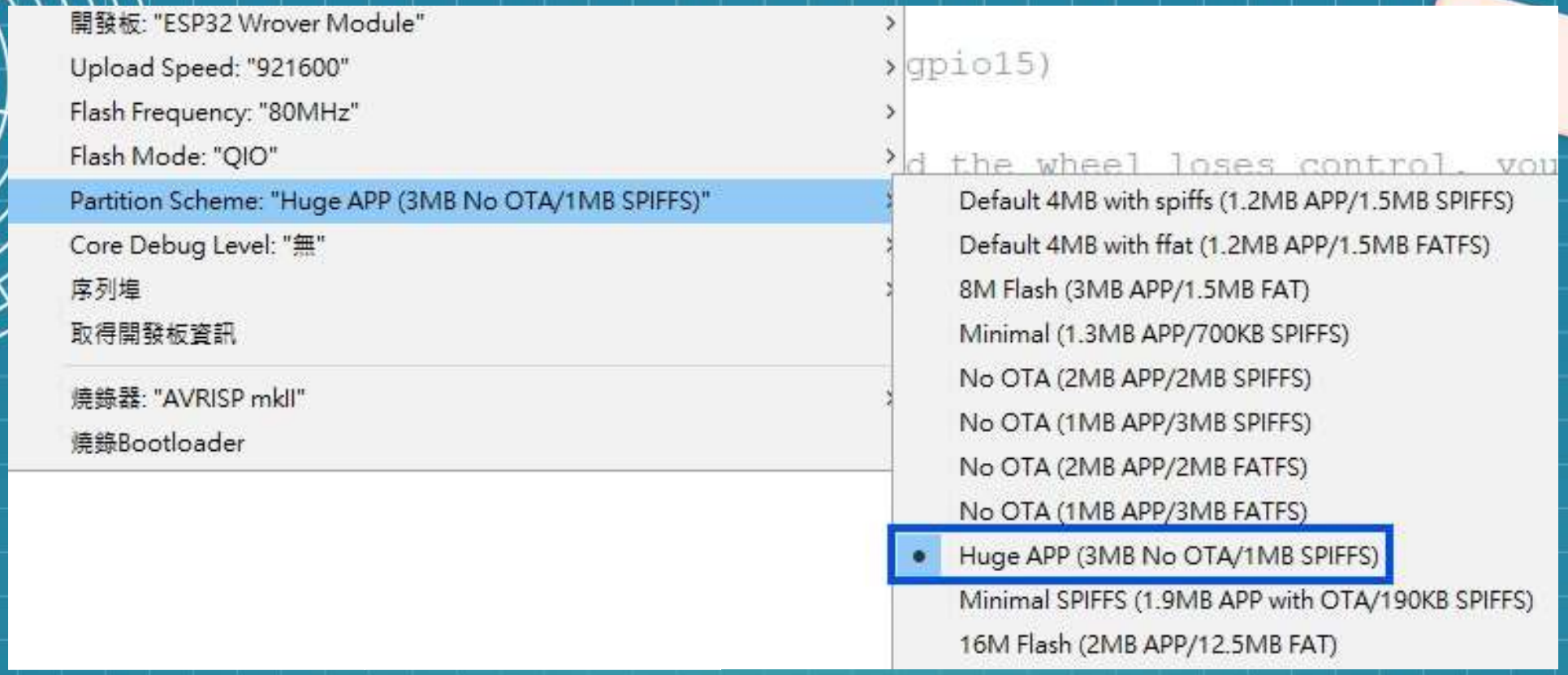
進入開發板管理員

接著到工具->開發版->開發版管理員



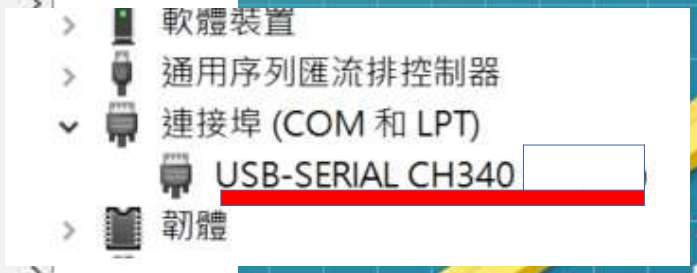
安裝結束後從工具選擇開發板



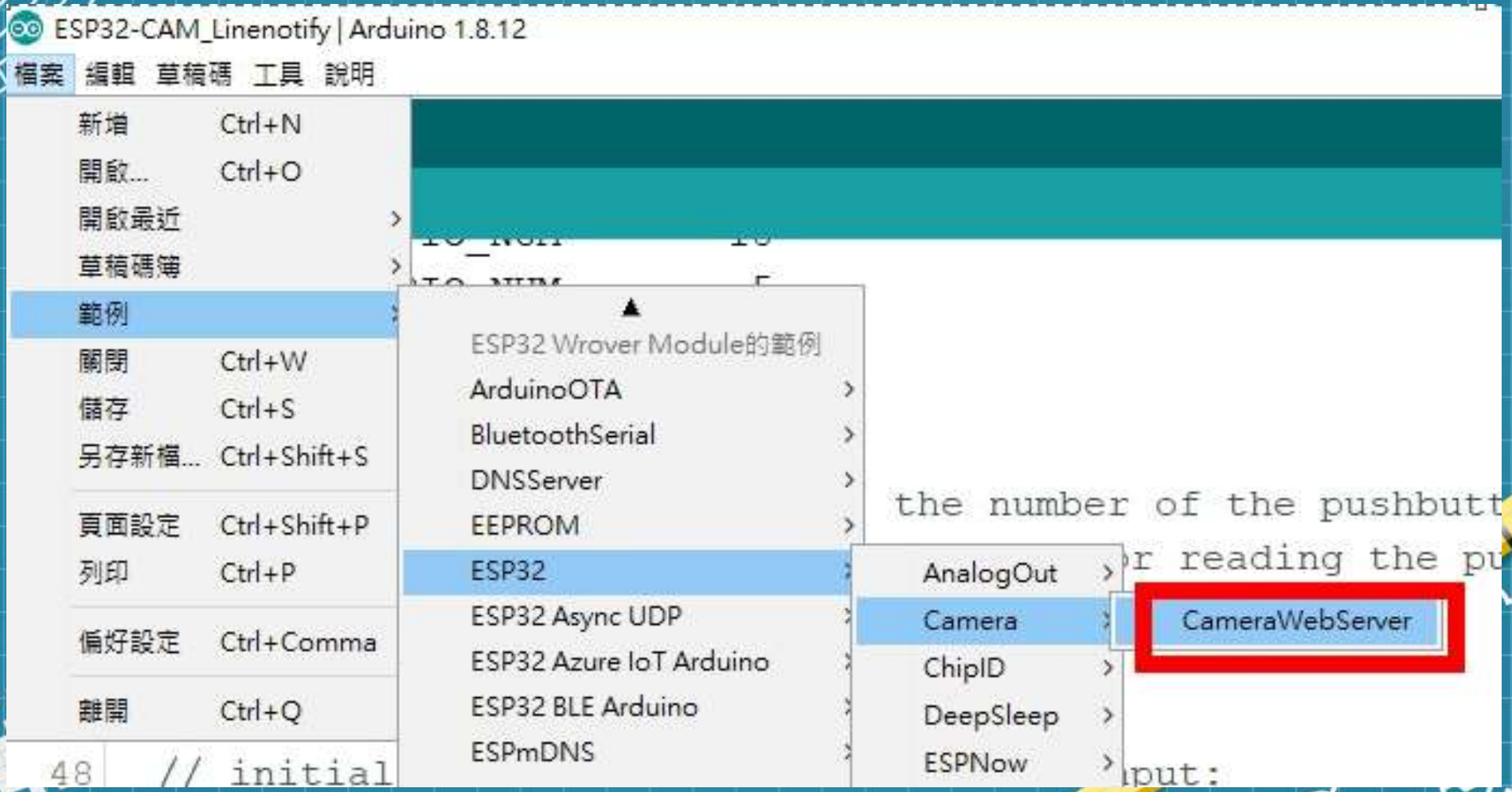

開發板: "ESP32 Wrover Module"
Upload Speed: "921600"
Flash Frequency: "80MHz"
Flash Mode: "QIO"
Partition Scheme: "Huge APP (3MB No OTA/1MB SPIFFS)"
Core Debug Level: "無"
序列埠
取得開發板資訊
燒錄器: "AVRISP mkII"
燒錄Bootloader
gpio15)
d the wheel loses control, you
Default 4MB with spiffs (1.2MB APP/1.5MB SPIFFS)
Default 4MB with ffat (1.2MB APP/1.5MB FATFS)
8M Flash (3MB APP/1.5MB FAT)
Minimal (1.3MB APP/700KB SPIFFS)
No OTA (2MB APP/2MB SPIFFS)
No OTA (1MB APP/3MB SPIFFS)
No OTA (2MB APP/2MB FATFS)
No OTA (1MB APP/3MB FATFS)
Huge APP (3MB No OTA/1MB SPIFFS)
Minimal SPIFFS (1.9MB APP with OTA/190KB SPIFFS)
16M Flash (2MB APP/12.5MB FAT)


開發板: "ESP32 Wrover Module"
Upload Speed: "921600"
Flash Frequency: "80MHz"
Flash Mode: "QIO"
Partition Scheme: "Huge APP (3MB No OTA/1MB SPIFFS)"
Core Debug Level: "無"
序列埠
取得開發板資訊
序列埠
COM3

序列埠打勾


軟體裝置
通用序列匯流排控制器
連接埠 (COM 和 LPT)
USB-SERIAL CH340
韌體

影像串流測試


ESP32-CAM_Linenotify | Arduino 1.8.12
檔案 編輯 草稿碼 工具 說明
新增 Ctrl+N
開啟... Ctrl+O
開啟最近
草稿碼簿
範例
關閉 Ctrl+W
儲存 Ctrl+S
另存新檔... Ctrl+Shift+S
頁面設定 Ctrl+Shift+P
列印 Ctrl+P
偏好設定 Ctrl+Comma
離開 Ctrl+Q
ESP32 Wrover Module的範例
ArduinoOTA
BluetoothSerial
DNSServer
EEPROM
ESP32
ESP32 Async UDP
ESP32 Azure IoT Arduino
ESP32 BLE Arduino
ESPmDNS
AnalogOut
Camera
ChipID
DeepSleep
ESPNow
CameraWebServer
the number of the pushbutt
r reading the pu
48 // initial
put:

CameraWebServer | Arduino 1.8.12

檔案 編輯 草稿碼 工具 說明

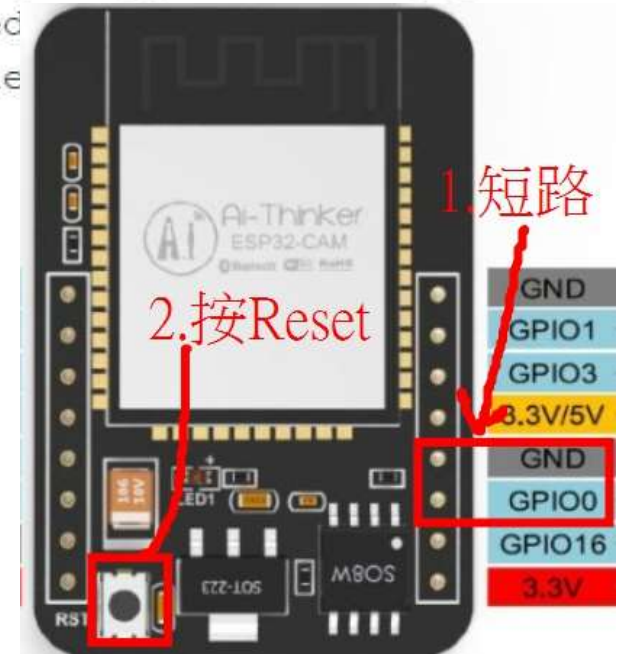
CameraWebServer § | app_httpd.cpp | camera_index.h | camera_pins.h

最後開始燒錄

```
4  //
5  // WARNING!!! Make sure that you have either selected
6  //            or another board which has PSRAM enable
7  //
8
9  // Select camera model
10 //#define CAMERA_MODEL_WROVER_KIT
11 //#define CAMERA_MODEL_ESP_EYE
12 //#define CAMERA_MODEL_M5STACK_PSRAM
13 //#define CAMERA_MODEL_M5STACK_WIDE
14 #define CAMERA_MODEL_AI_THINKER
15
16 #include "camera_pins.h"
17
18 const char* ssid = "********";
19 const char* password = "***************";
20
```

將此行註解

取消此行註解



輸入連線帳號密碼

燒錄前須先依圖示 1, 2 先行 Reset
後將短路處移除

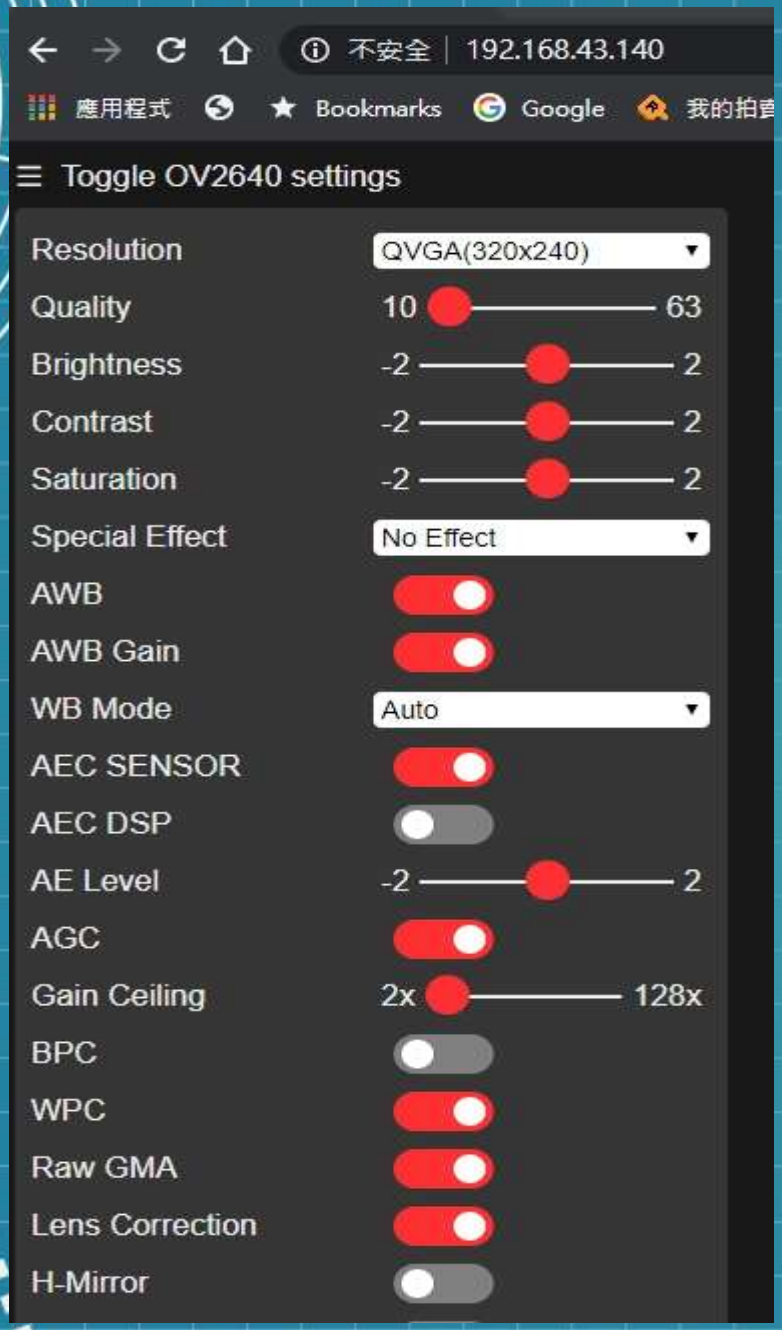
COM4

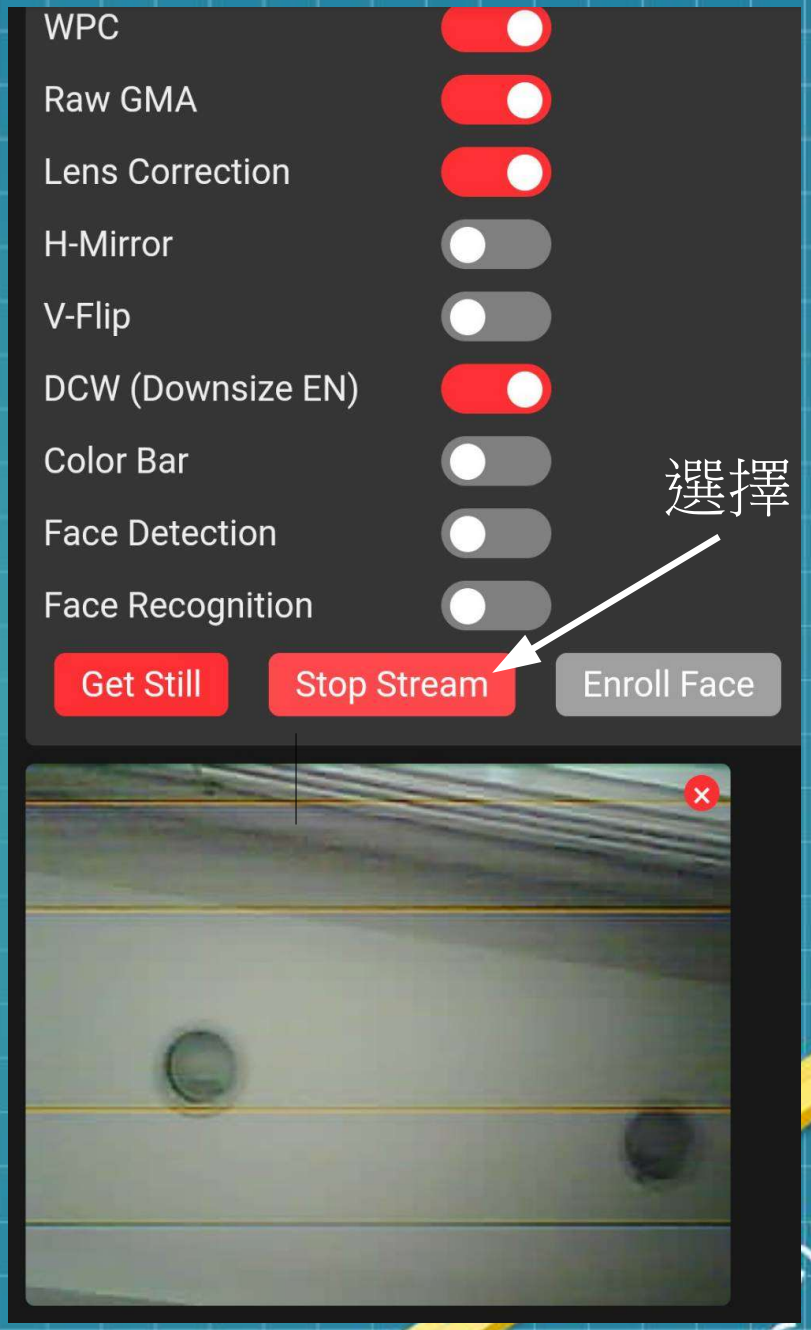
傳送

```
configsip: 0, SPIWP:0xee
clk_drv:0x00,q_drv:0x00,d_drv:0x00,cs0_drv:0x00,hd_drv:0x00,wp_drv:0x0
mode:DIO, clock div:1
load:0x3fff0018,len:4
load:0x3fff001c,len:1216
ho 0 tail 12 room 4
load:0x40078000,len:9720
ho 0 tail 12 room 4
load:0x40080400,len:6352
entry 0x400806b8

.
WiFi connected
Starting web server on port: '80'
Starting stream server on port: '81'
Camera Ready! Use 'http://192.168.43.140' to connect
```

將位址輸入至Chrome

自動捲動 Show timestamp NL (newline) 115200 baud Clear output


不安全 | 192.168.43.140
應用程式
Bookmarks
Google
我的拍賣
Toggle OV2640 settings
Resolution
QVGA(320x240)
Quality
10
63
Brightness
-2
2
Contrast
-2
2
Saturation
-2
2
Special Effect
No Effect
AWB
AWB Gain
WB Mode
Auto
AEC SENSOR
AEC DSP
AE Level
-2
2
AGC
Gain Ceiling
2x
128x
BPC
WPC
Raw GMA
Lens Correction
H-Mirror


WPC
Raw GMA
Lens Correction
H-Mirror
V-Flip
DCW (Downsize EN)
Color Bar
Face Detection
Face Recognition
Get Still
Stop Stream
Enroll Face

選擇

休息一下 .....

ESP32-CAM_Linenotify | Arduino 1.8.12

檔案 編輯 草稿碼 工具 說明

ESP32-CAM_Linenotify §

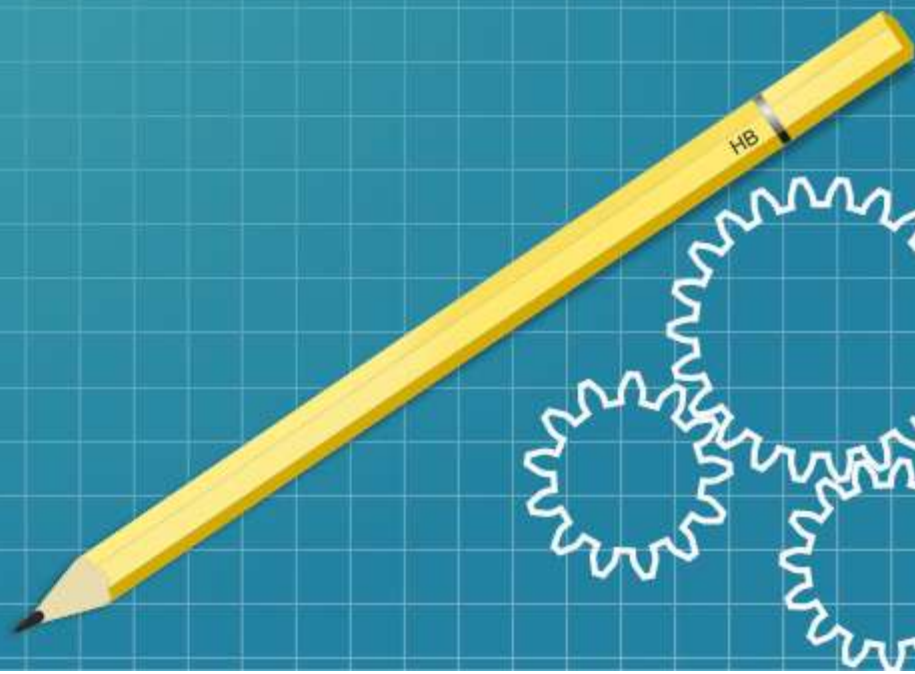
```
/*
ESP32-CAM (Save a captured photo to Line Notify)

*/

// Enter your WiFi ssid and password
const char* ssid     = "********";    //your network SSID
const char* password = "************";    //your network password
String myLineNotifyToken = "****************************************";    //Line Notify Token

```

輸入網路帳號密碼

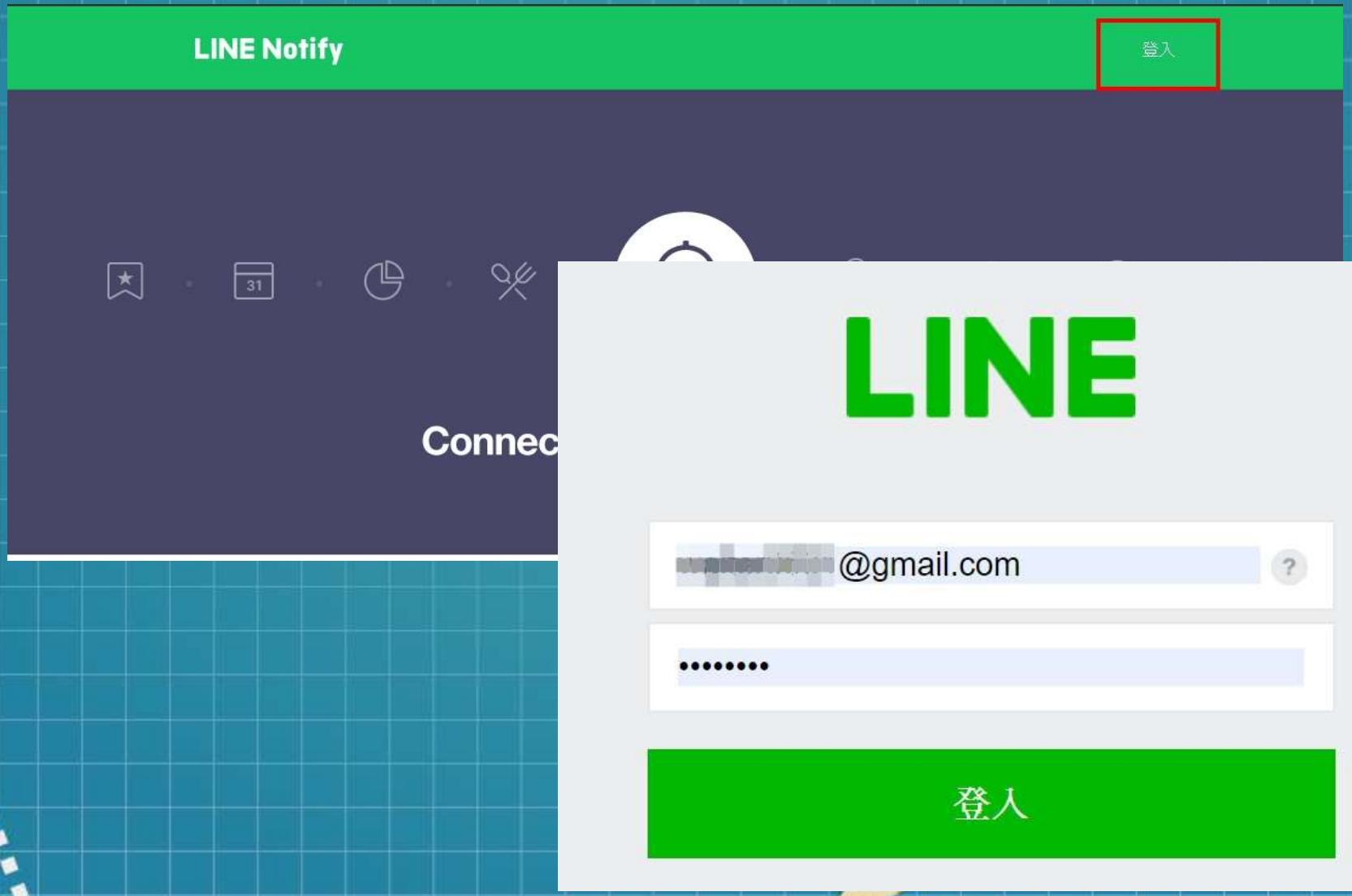
執行下頁取得權杖填入Line Notify Token

LINE Notify

LINE Notify 是 LINE 所提供的一項非常方便的推播服務，每個人的 LINE 帳號都可以使用，使用之前，必須先前往 LINE Notify 的網站（ https://notify-bot.line.me/zh_TW/ ），使用自己的 LINE 帳號登入，申請 LINE Notify 權杖。



進入line notify 頁面



發行存取權杖(開發人員用)

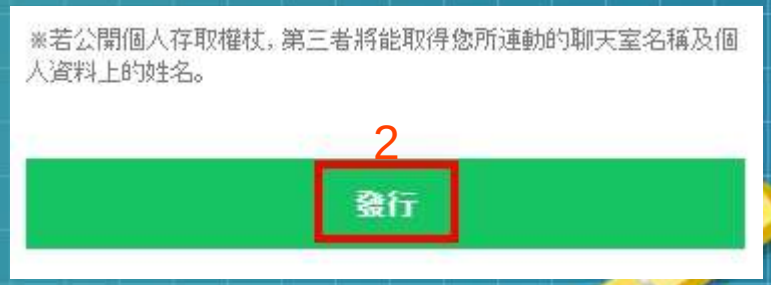
若使用個人存取權杖，不須登錄網站服務，即可設定通知。

發行權杖

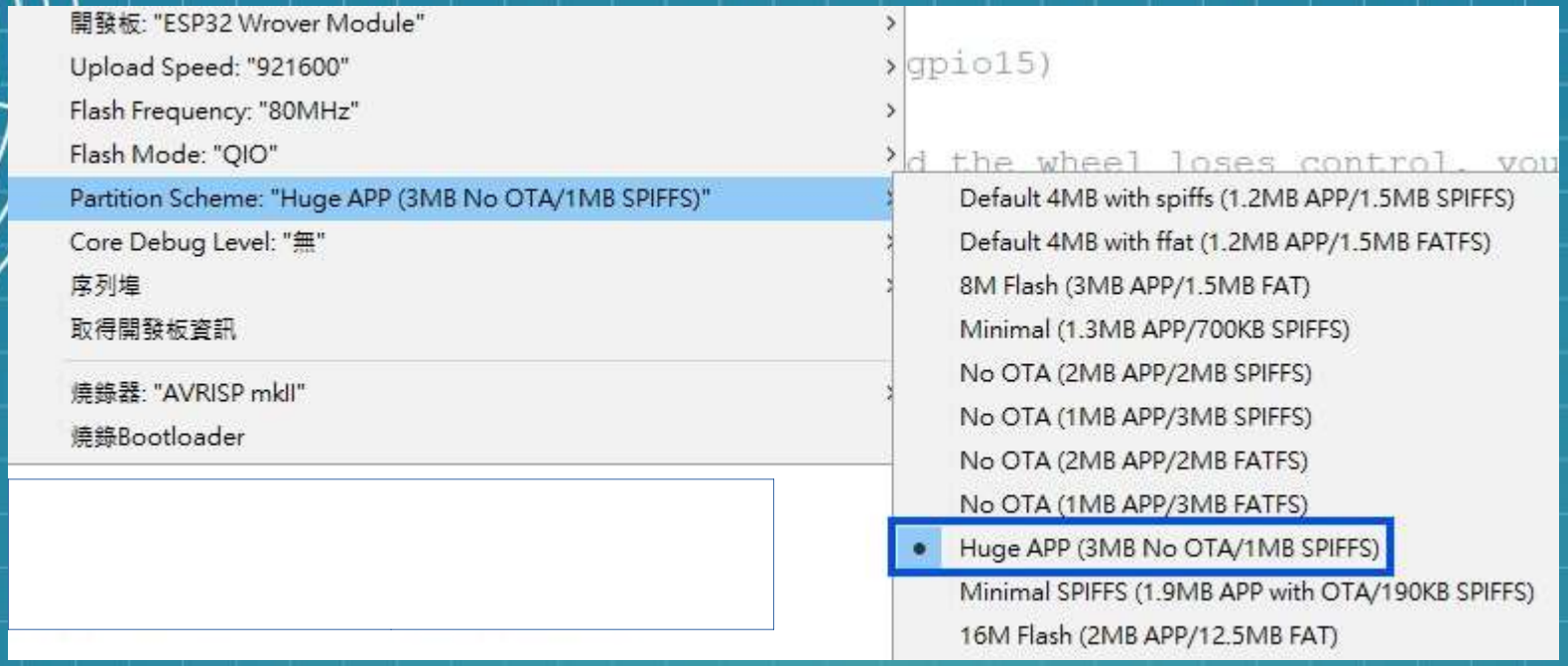
LINE Notify API Document


請填寫權杖名稱(將於傳送提醒時顯示)
Door bell
(可自行命名)
請選擇您要接收通知的聊天室。
1
Search by group name
透過1對1聊天接收LINE Notify的通知

選擇個人帳號或群組


※若公開個人存取權杖，第三者將能取得您所連動的聊天室名稱及個人資料上的姓名。
2
發行


已發行的權杖如下。
4QJBjmoBnIHvFWoHHXk6cSZ6eOyt56HPtxgsG
若離開此頁面，將不會再顯示新發行的權杖。離開頁面前，請先複製權杖。
3
複製
關閉



檢查開發板與 com port 設定後開始上傳