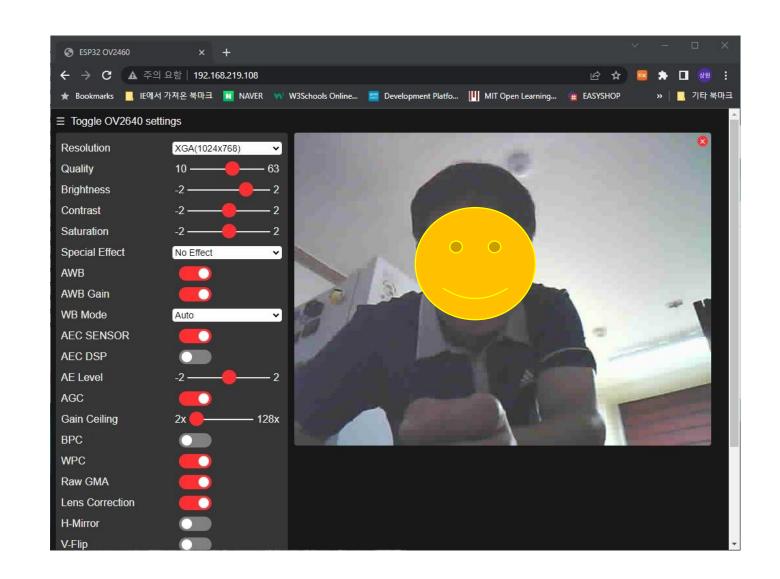
# ESP32-CAM 카메라 웹서버 예제





7/6/2023

Sangwon Lee

#### List

- ☐ ESP32-CAM Introduction
- ☐ Setup Arduino IDE
- ☐ Camera Web Server Example
- ☐ Antenna Performance Test

#### **ESP32-CAM Introduction**

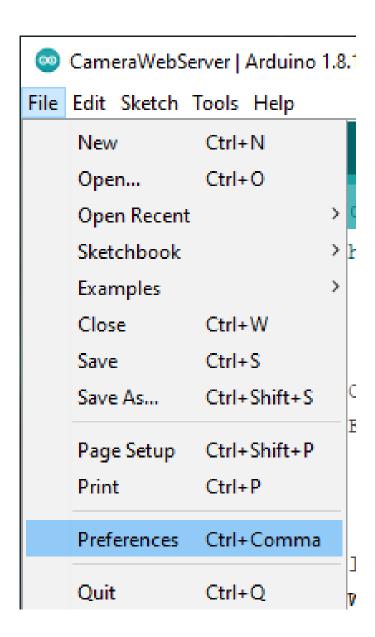


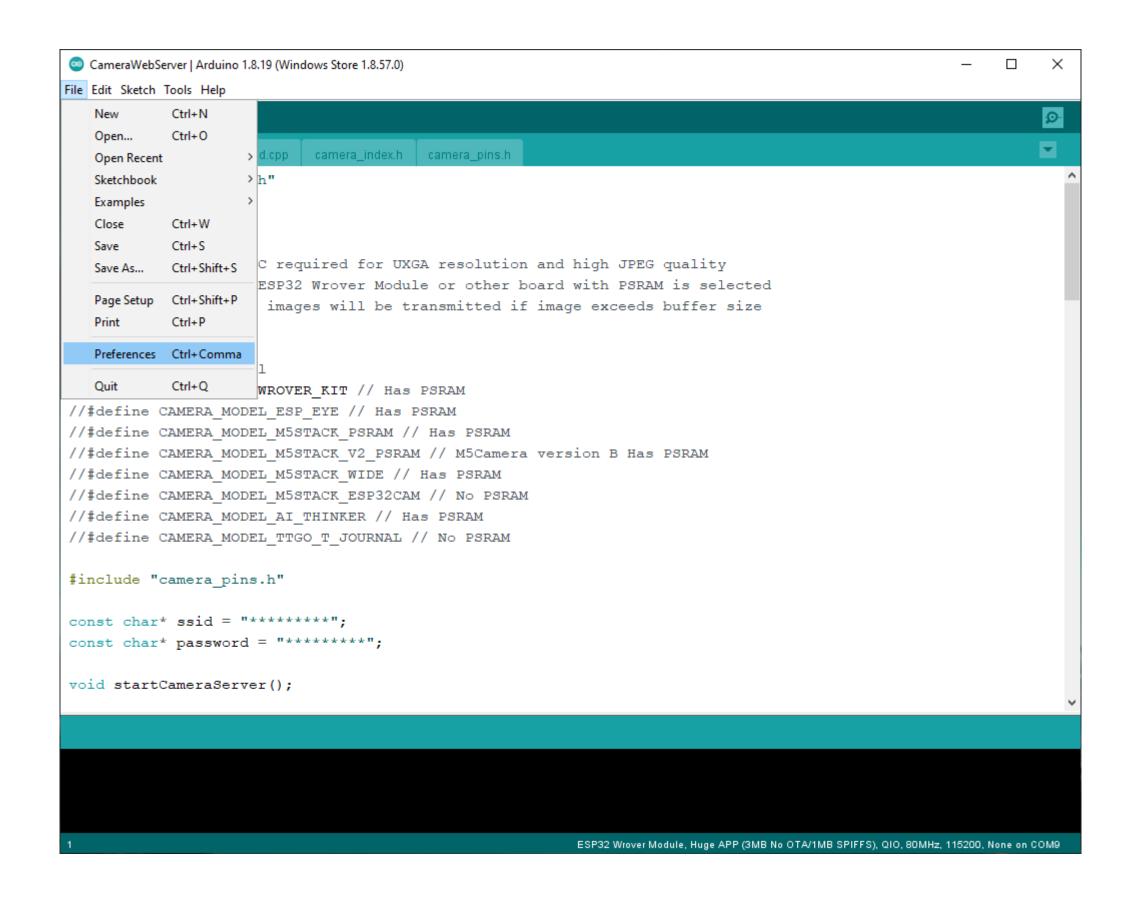


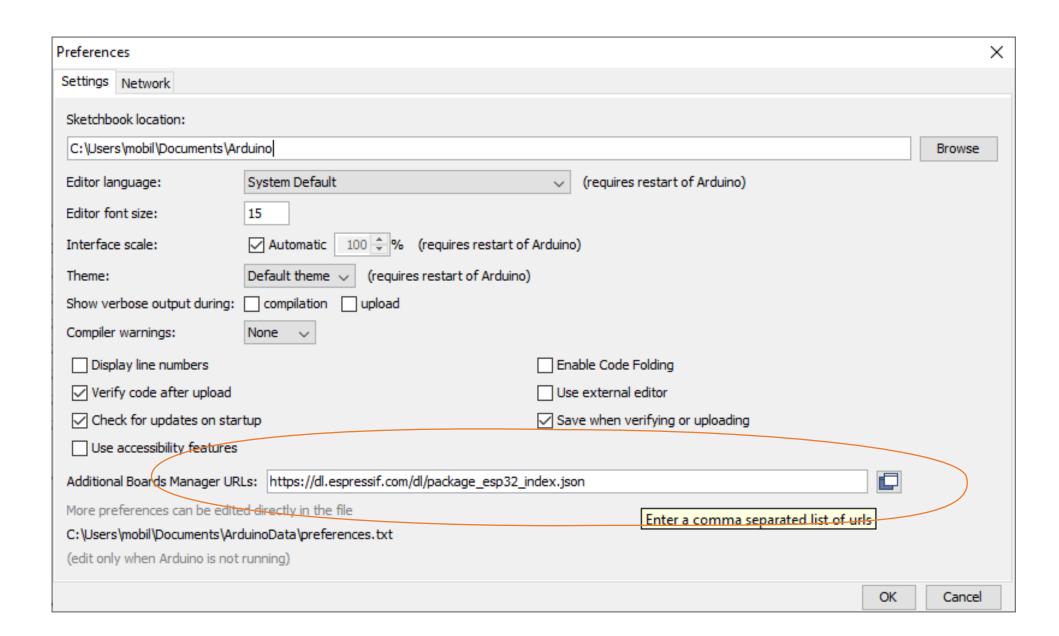


- □ OV2640 기본 카메라
- □ 2.4 GHz WIFI/BT 지원
- ☐ 4MB PSRAM, 520 KB SRAM
- GPIO 8 pin, UART 2 pin
- □ 5VDC supply, DIO 3.3VDC
- □ ESP32-CAM-MB를 이용하여 PC에 연결



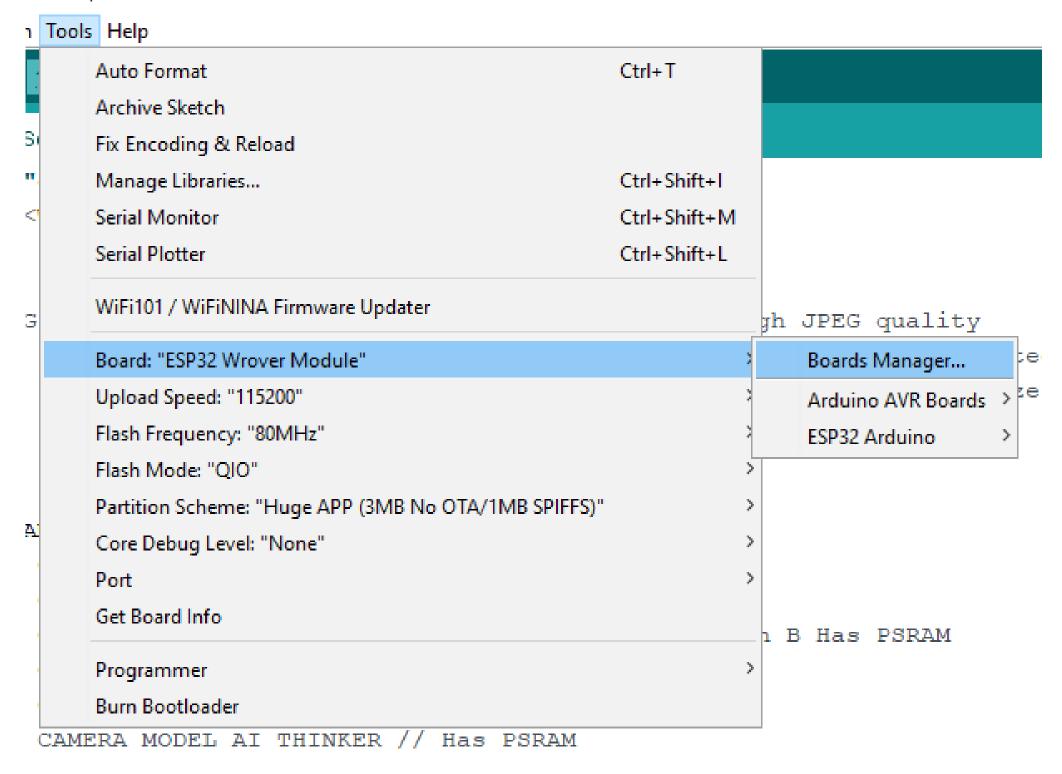


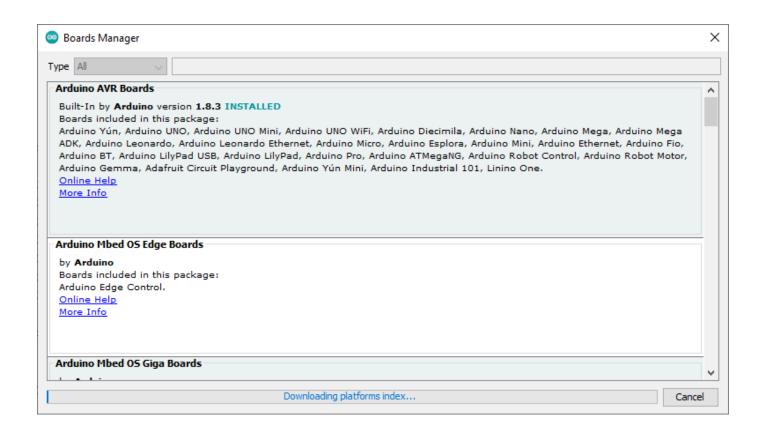




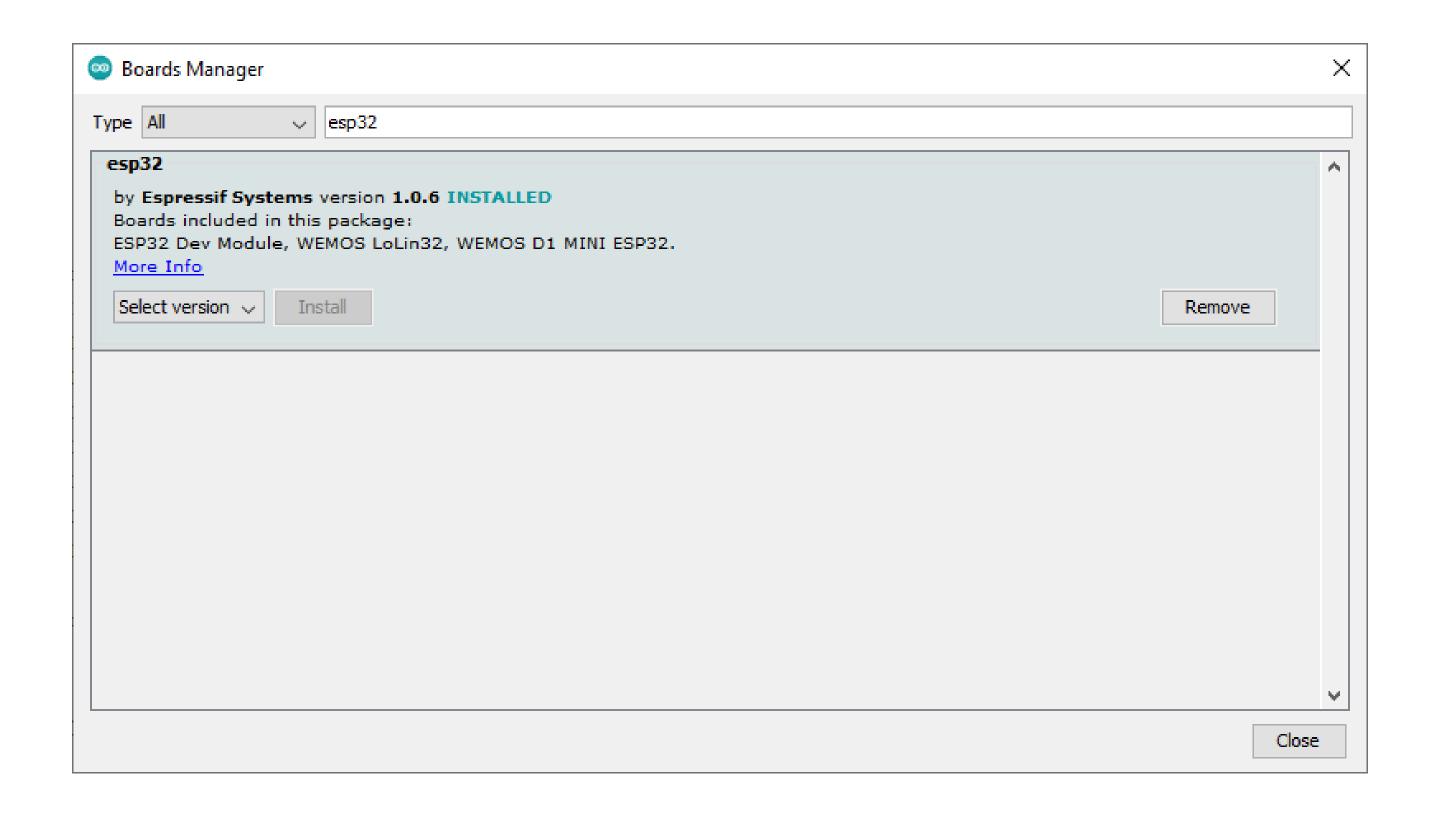
Additional Boards Manager URLs: https://dl.espressif.com/dl/package\_esp32\_index.json

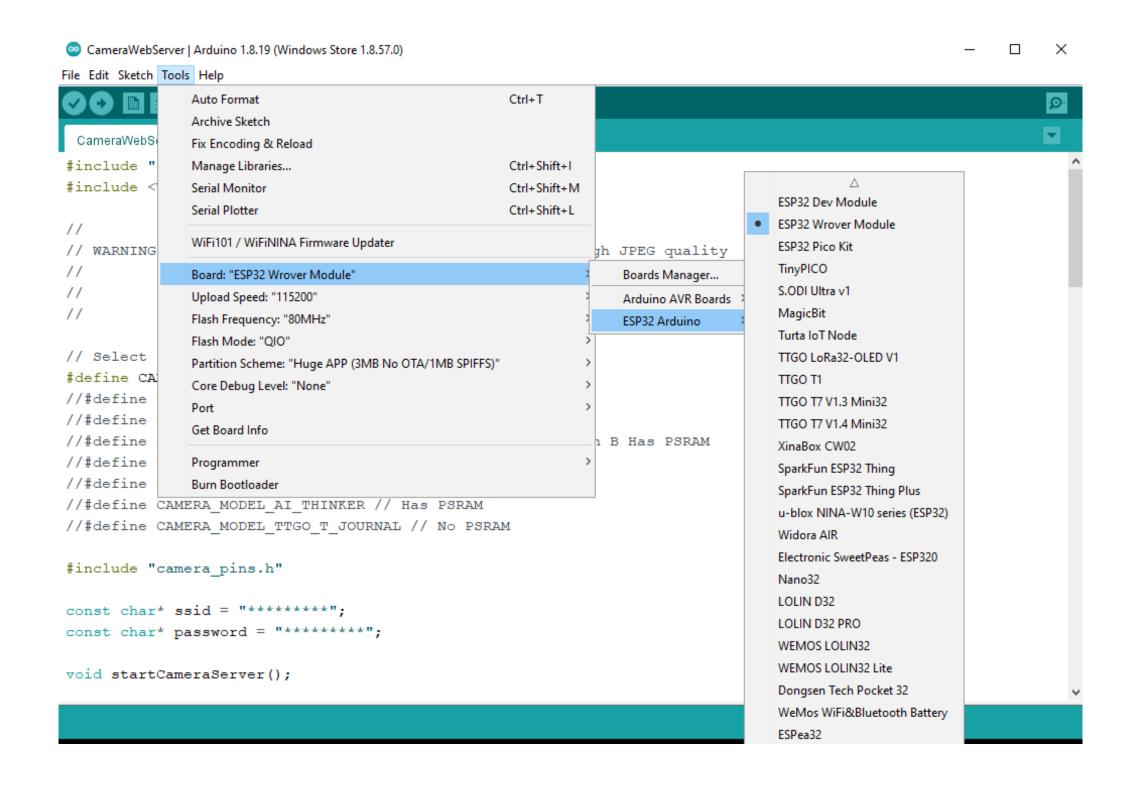
Server | Arduino 1.8.19 (Windows Store 1.8.57.0)



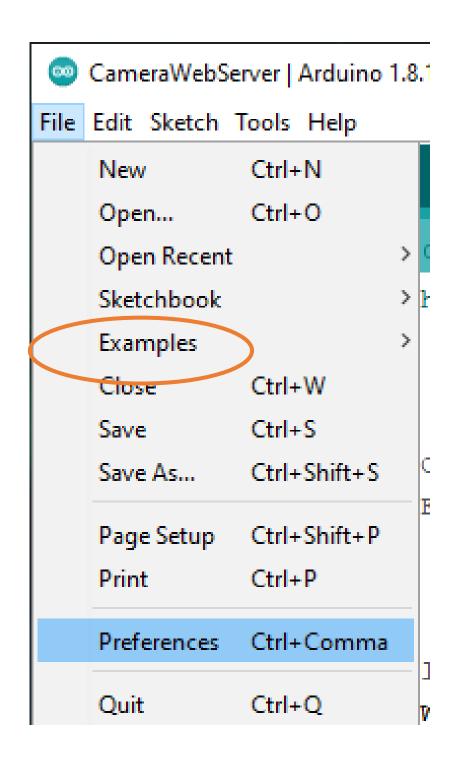


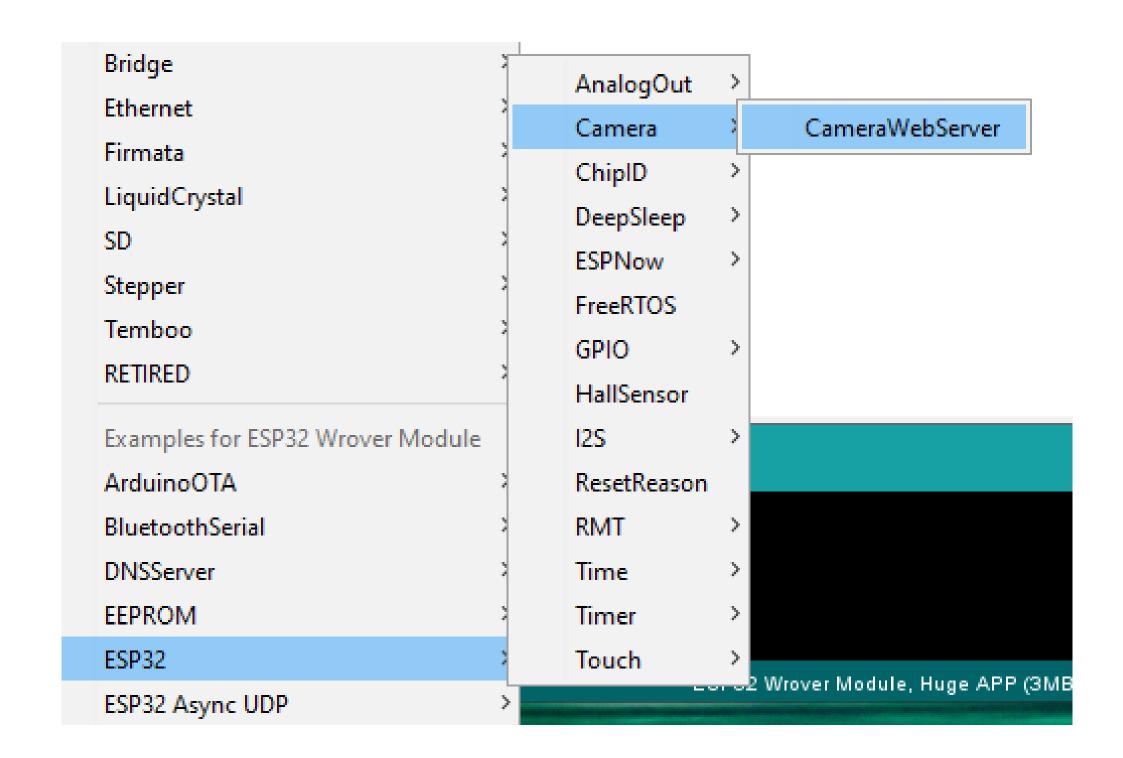
Downloading platforms index...





Auto Format	Ctrl+T
Archive Sketch	
Fix Encoding & Reload	
Manage Libraries	Ctrl+Shift+I
Serial Monitor	Ctrl+Shift+M
Serial Plotter	Ctrl+Shift+L
WiFi101 / WiFiNINA Firmware Updater	
Board: "ESP32 Wrover Module"	>
Upload Speed: "115200"	>
Flash Frequency: "80MHz"	>
Flash Mode: "QIO"	>
Partition Scheme: "Huge APP (3MB No OTA/1MB SPIFFS)"	>
Core Debug Level: "None"	>
Port	>
Get Board Info	
Programmer	>
Burn Bootloader	





```
// Select camera model
//#define CAMERA_MODEL_WROVER_KIT // Has PSRAM

//#define CAMERA_MODEL_ESP_EYE // Has PSRAM

//#define CAMERA_MODEL_M5STACK_PSRAM // Has PSRAM

//#define CAMERA_MODEL_M5STACK_V2_PSRAM // M5Camera version B Has PSRAM

//#define CAMERA_MODEL_M5STACK_WIDE // Has PSRAM

//#define CAMERA_MODEL_M5STACK_ESP32CAM // No PSRAM

#define CAMERA_MODEL_AI_THINKER // Has PSRAM

//#define CAMERA_MODEL_TIGO_T_JOURNAL // No PSRAM

#include "camera_pins.h"

const char* ssid = "*********";
const char* password = "********";
```

Auto Format Archive Sketch Fix Encoding & Reload Manage Libraries... Serial Monitor Serial Plotter WiFi101 / WiFiNINA Firmware Updater Board: "ESP32 Wrover Module" Upload Speed: "115200" Flash Frequency: "80MHz" Flash Mode: "OIO" Partition Scheme: "Huge APP (3MB No OTA Core Debug Level: "None" Port Get Board Info Programmer Burn Bootloader

