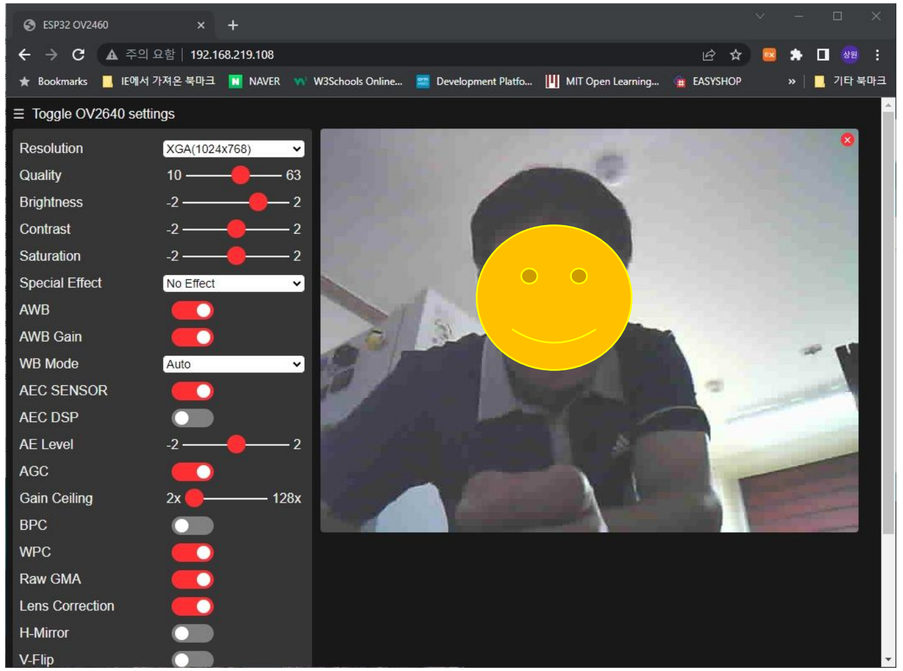
ESP32-CAM 카메라 웹서버 예제



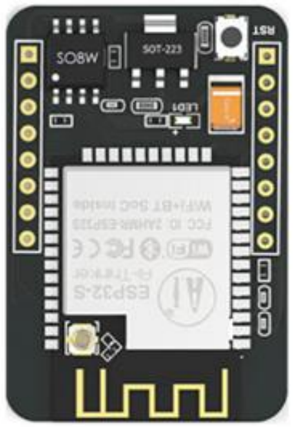
7/6/2023

Sangwon Lee

List

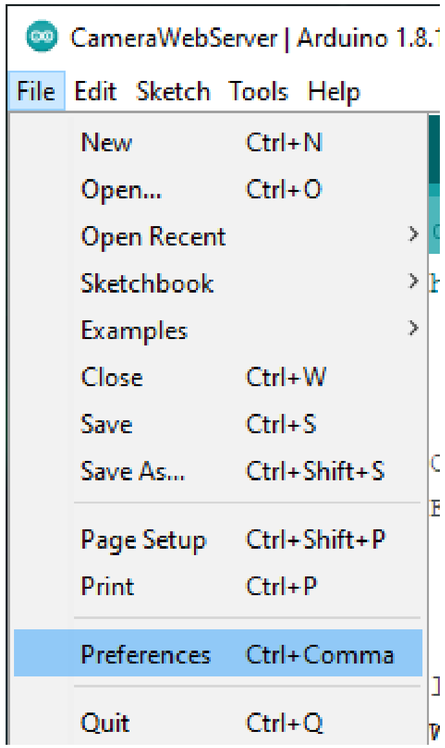
- ❑ ESP32-CAM Introduction
- ❑ Setup Arduino IDE
- ❑ Camera Web Server Example
- ❑ Antenna Performance Test

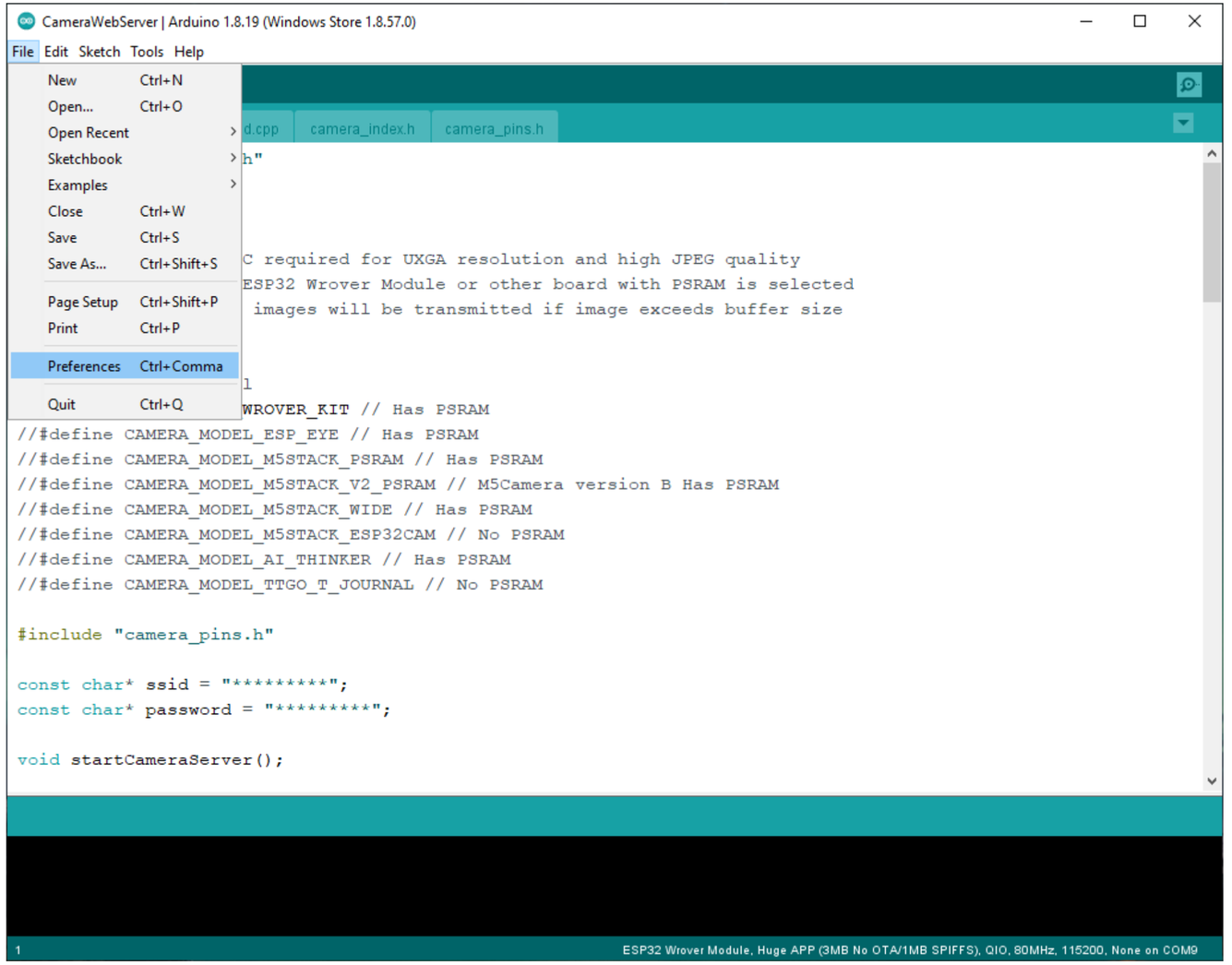
ESP32-CAM Introduction



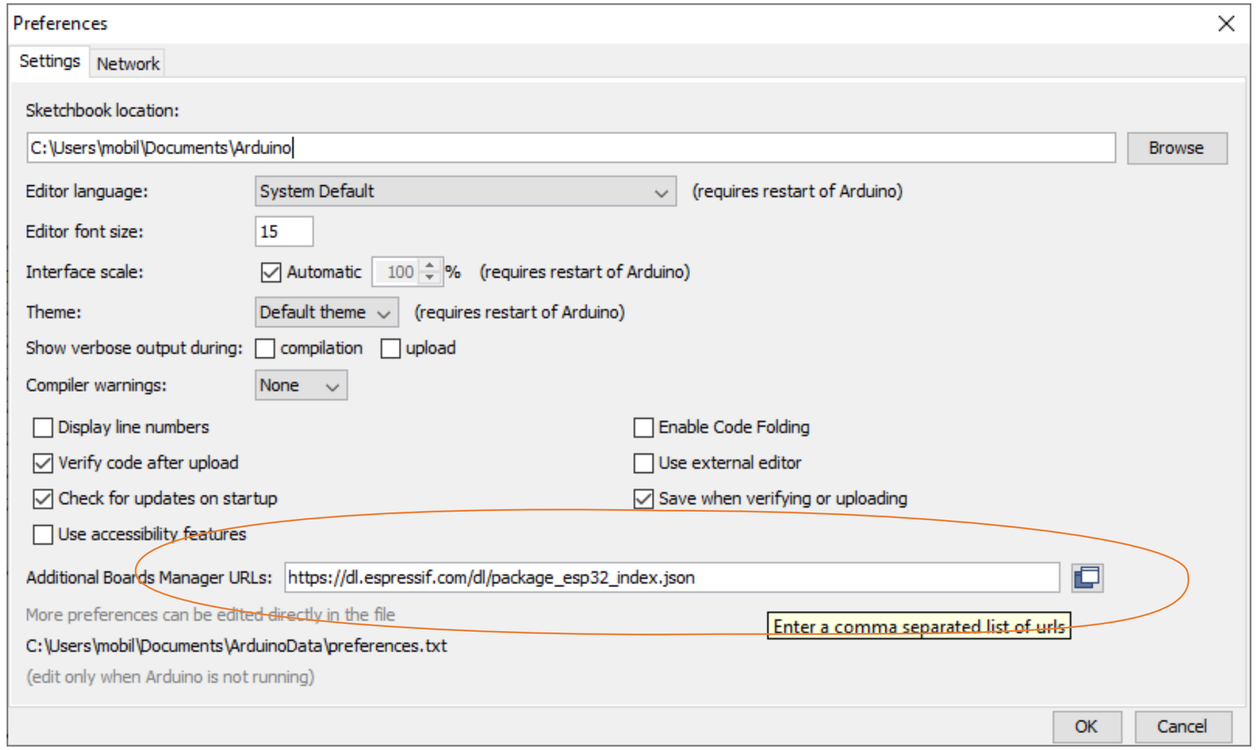
- ESP32-S 를 사용한 저가형 카메라 모듈
- OV2640 기본 카메라
- 2.4 GHz WIFI/BT 지원
- 4MB PSRAM, 520 KB SRAM
- GPIO 8 pin, UART 2 pin
- 5VDC supply, DIO 3.3VDC
- ESP32-CAM-MB를 이용하여 PC에 연결

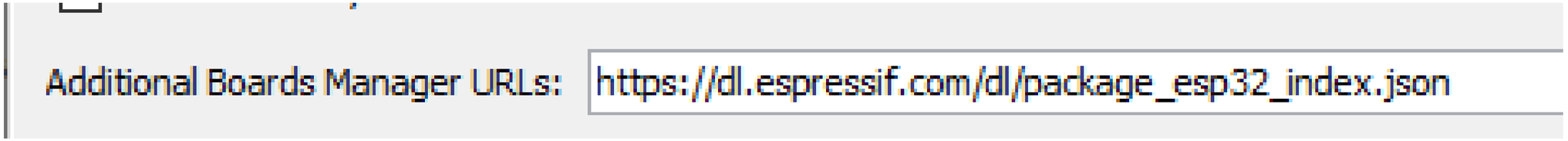
Arduino IDE Setup 1



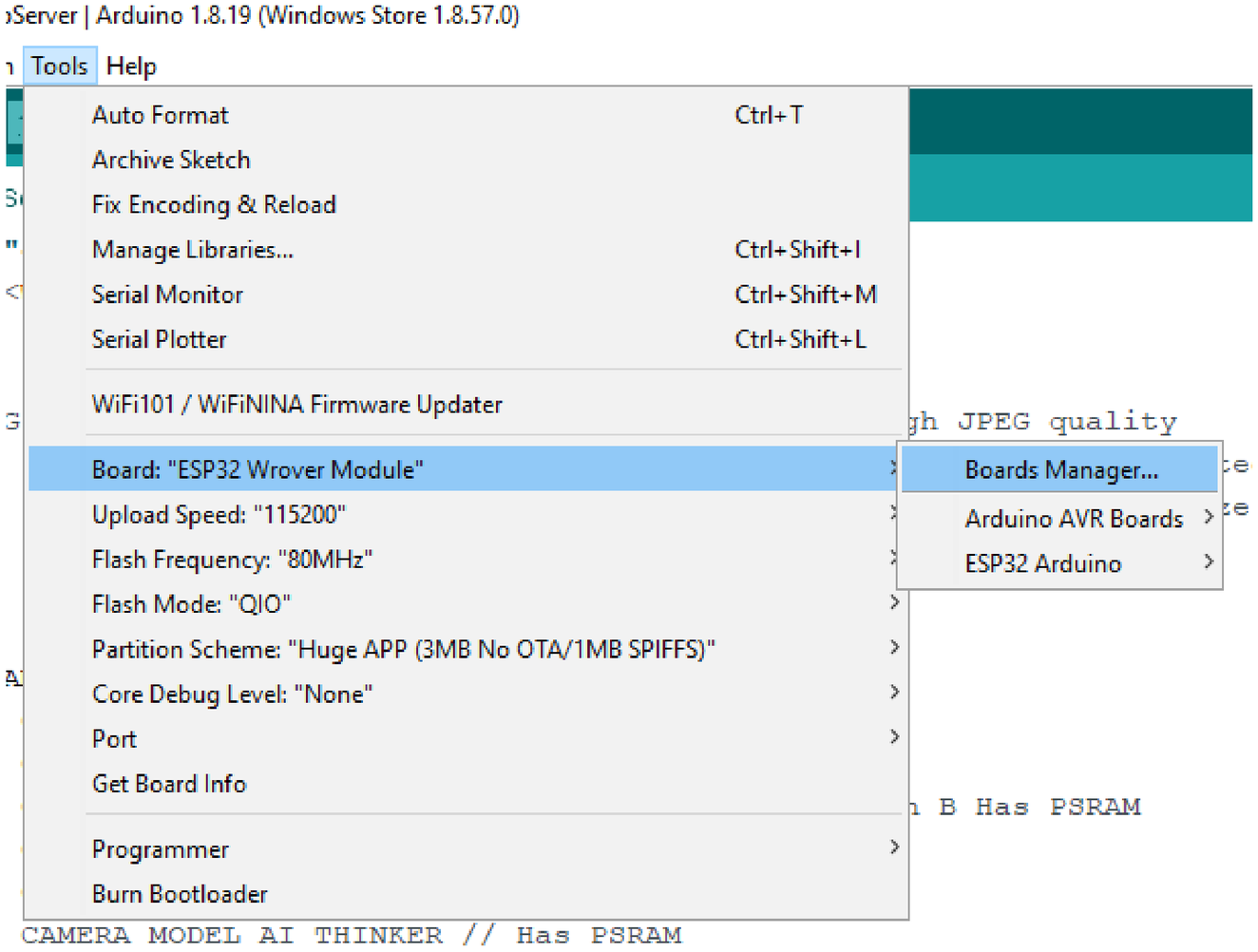


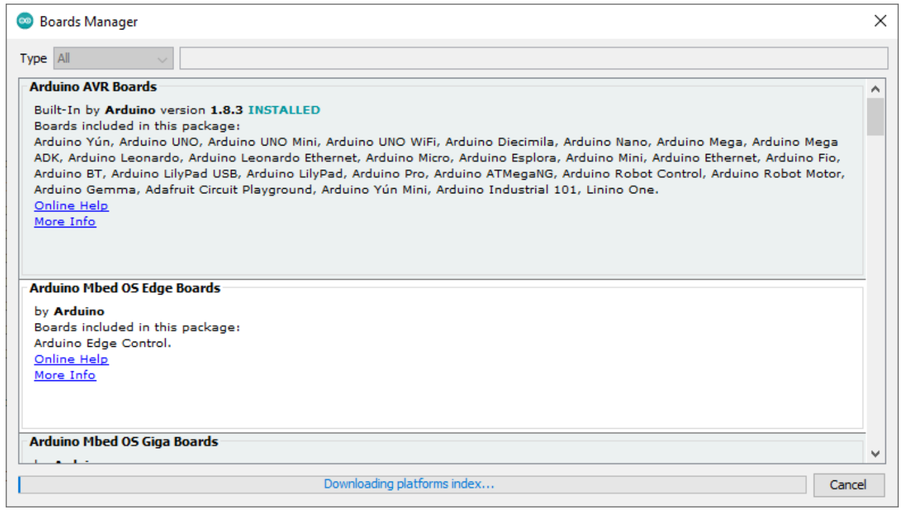
Arduino IDE Setup 2



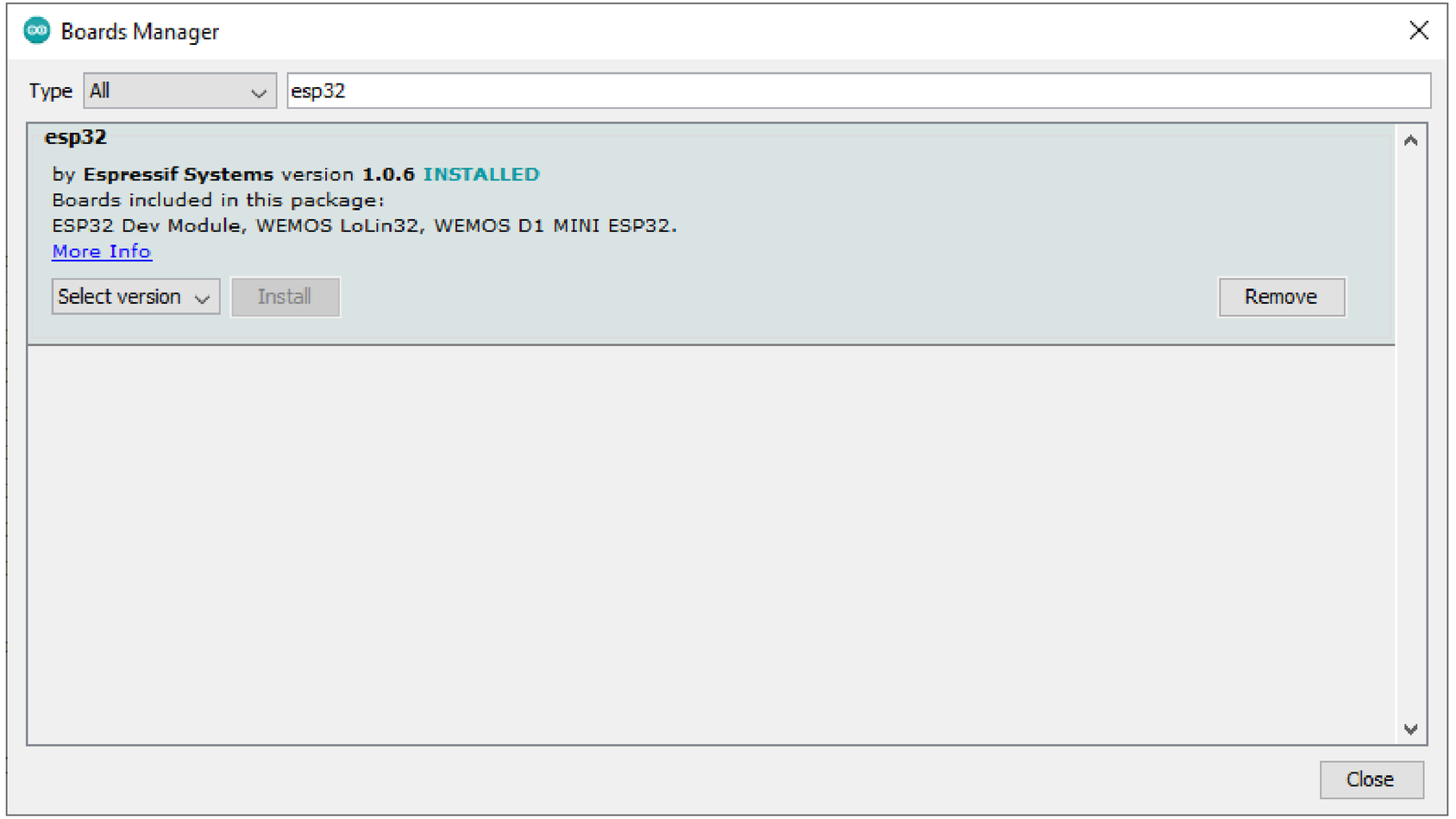


Arduino IDE Setup 3

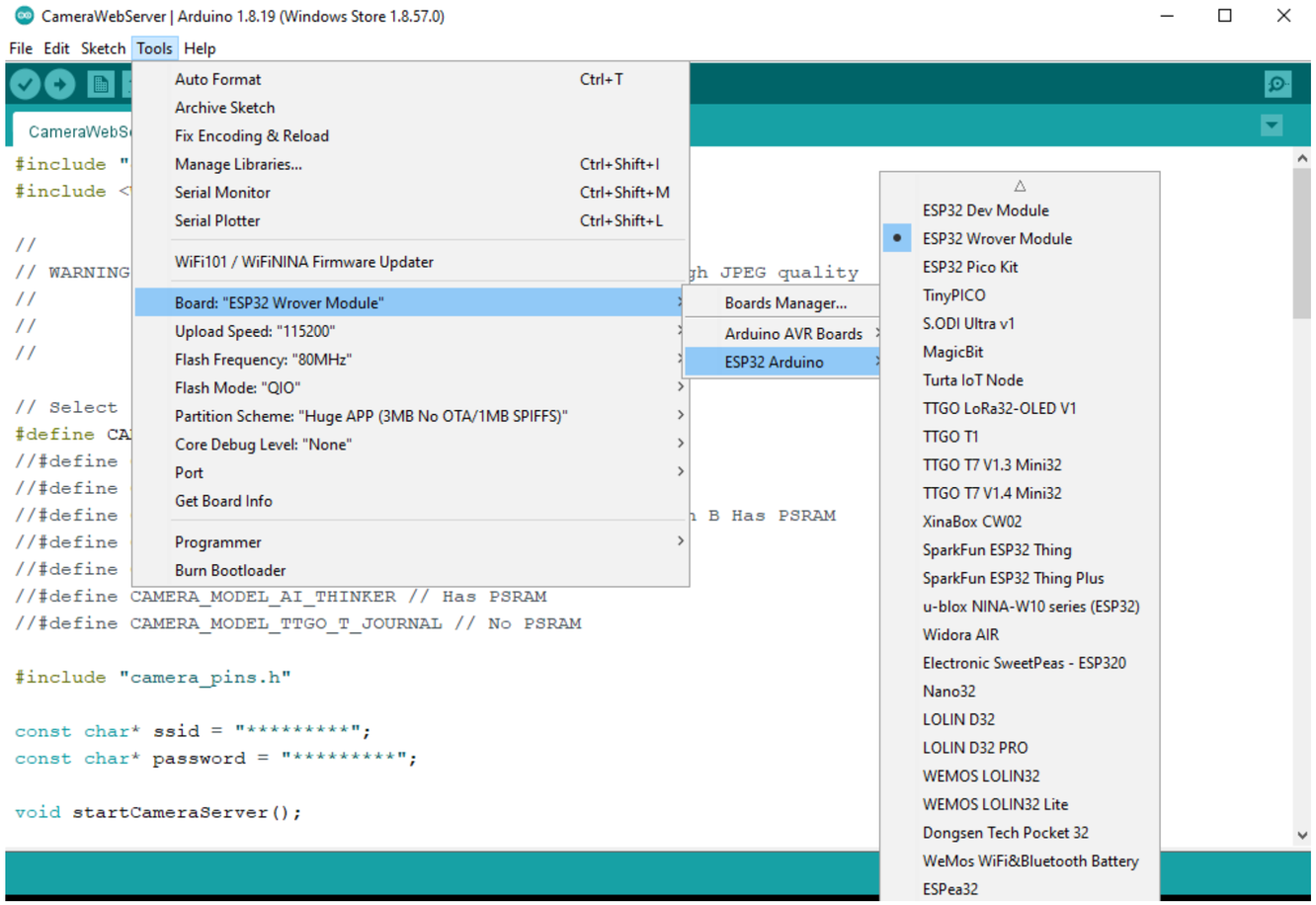


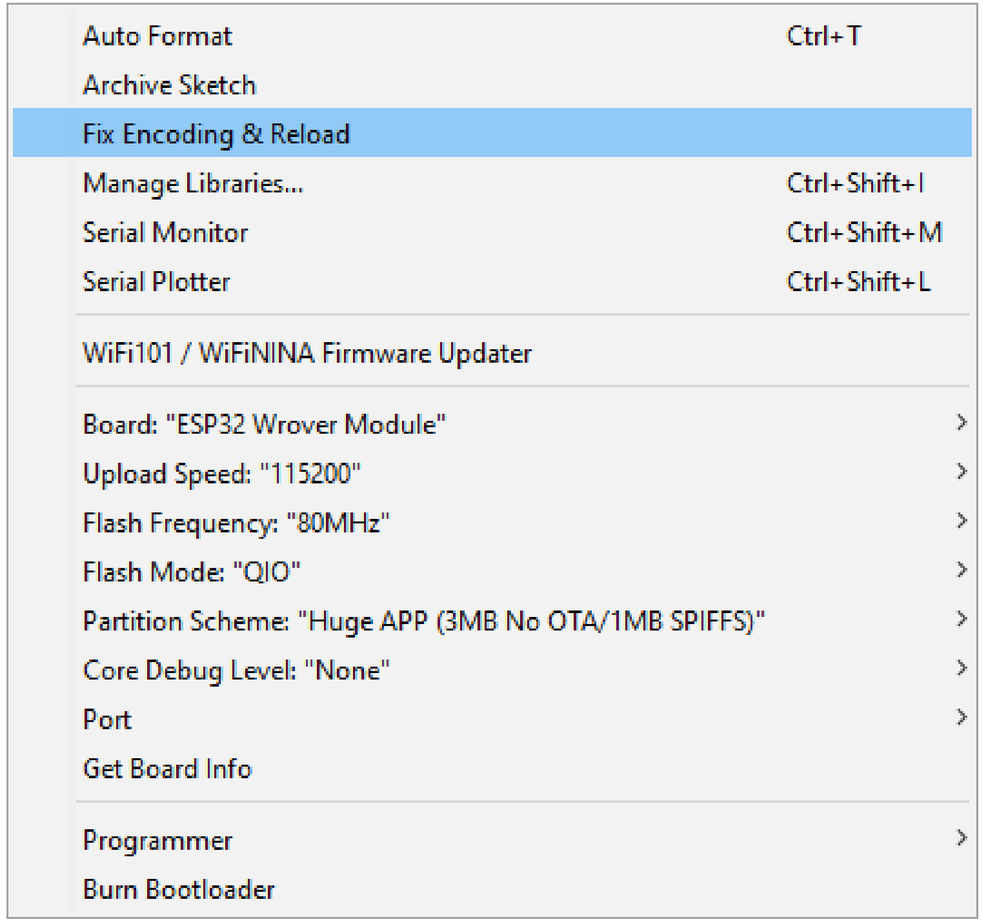


Arduino IDE Setup 4

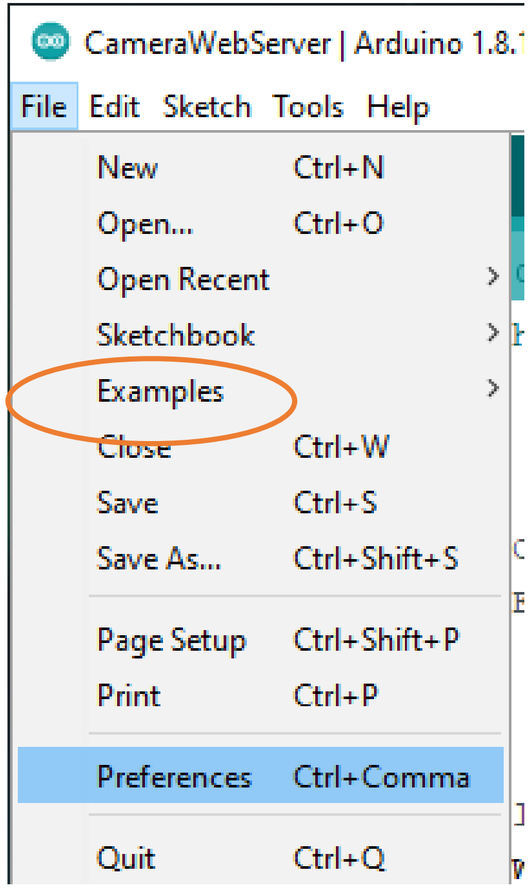


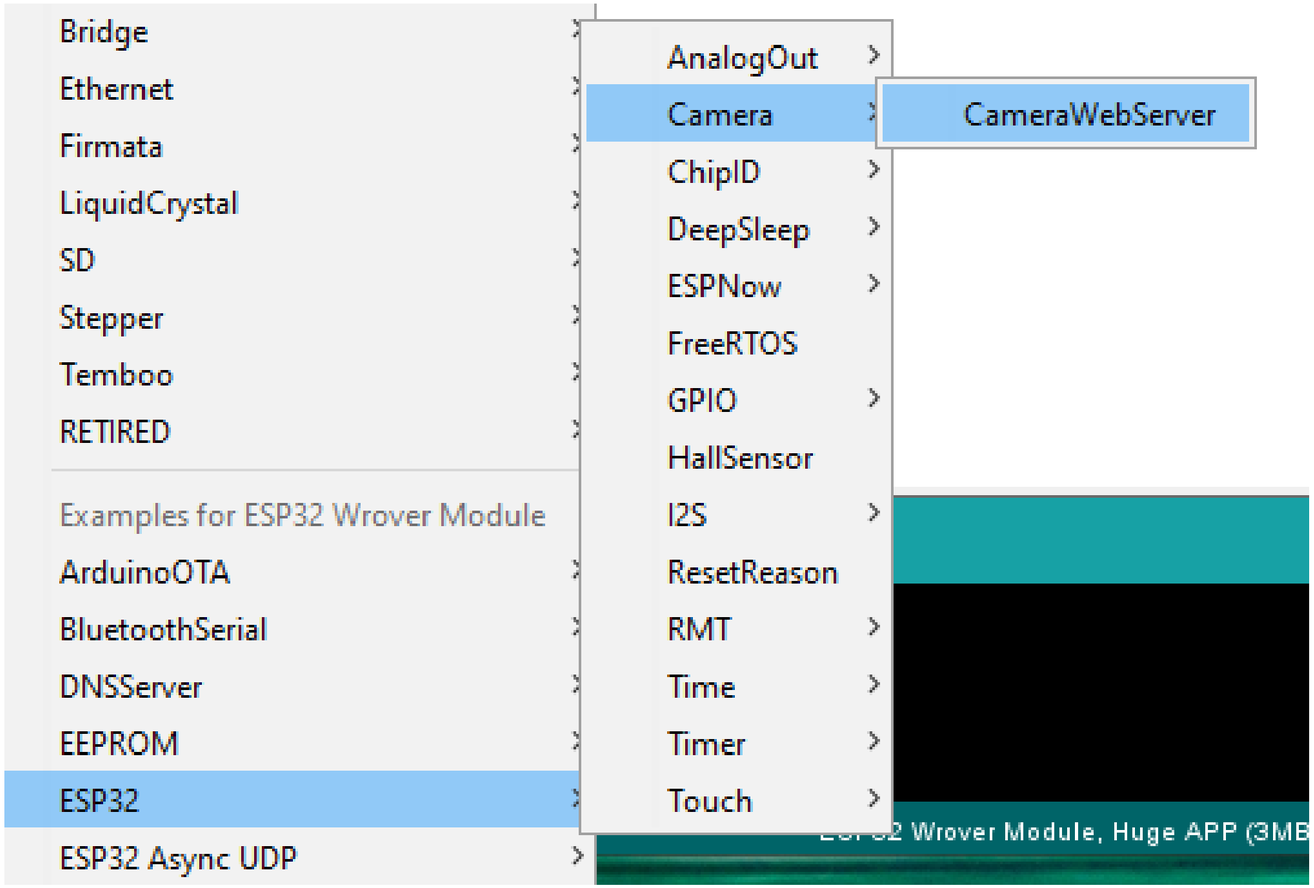
Arduino IDE Setup 5





Camera Web Server Example 1





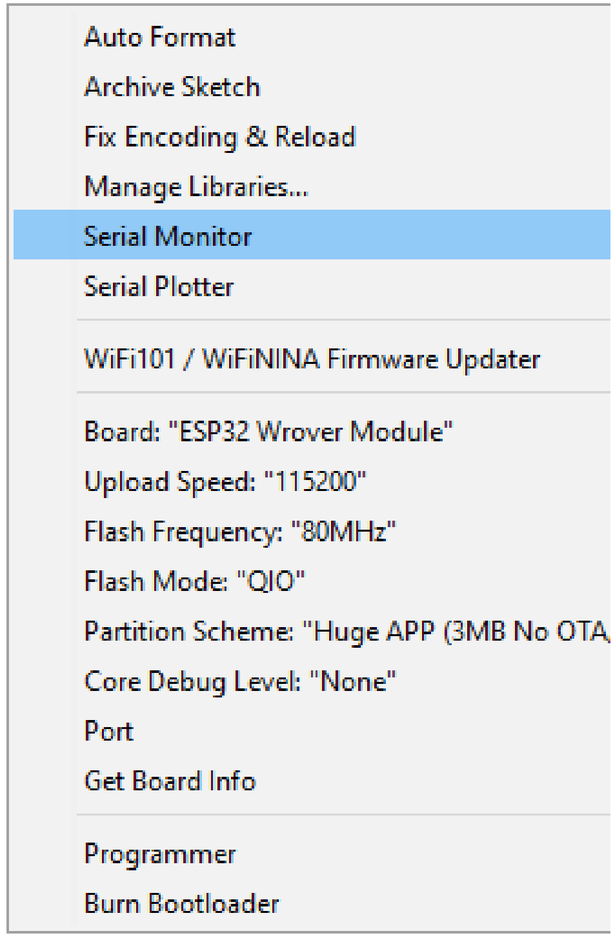
Camera Web Server Example 2

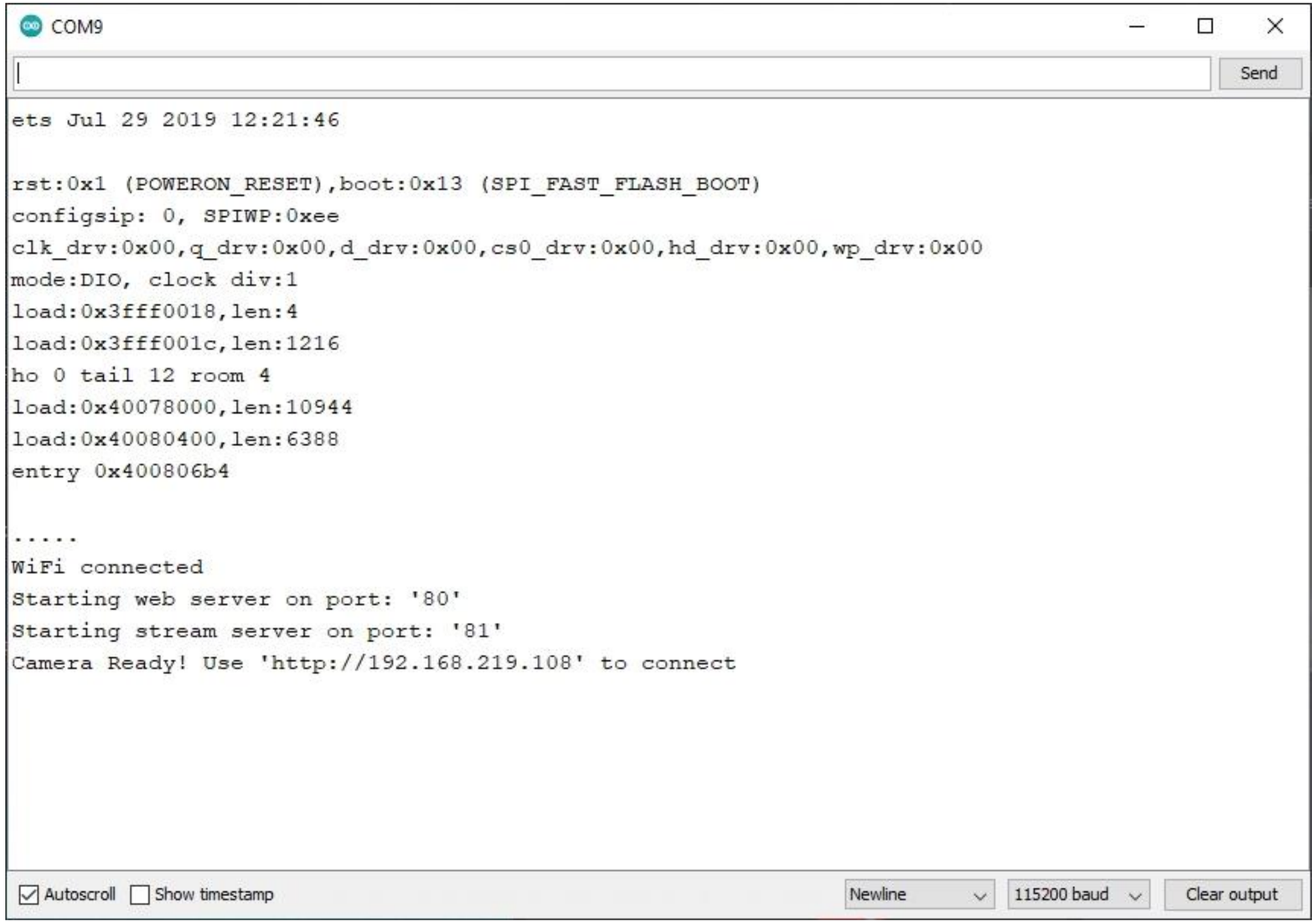
```
// Select camera model
//#define CAMERA_MODEL_WROVER_KIT // Has PSRAM
//#define CAMERA_MODEL_ESP_EYE // Has PSRAM
//#define CAMERA_MODEL_M5STACK_PSRAM // Has PSRAM
//#define CAMERA_MODEL_M5STACK_V2_PSRAM // M5Camera version B Has PSRAM
//#define CAMERA_MODEL_M5STACK_WIDE // Has PSRAM
//#define CAMERA_MODEL_M5STACK_ESP32CAM // No PSRAM
#define CAMERA_MODEL_AI_THINKER // Has PSRAM
//#define CAMERA_MODEL_TTGO_T_JOURNAL // No PSRAM

#include "camera_pins.h"

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

Camera Web Server Example 3





Camera Web Server Example 4