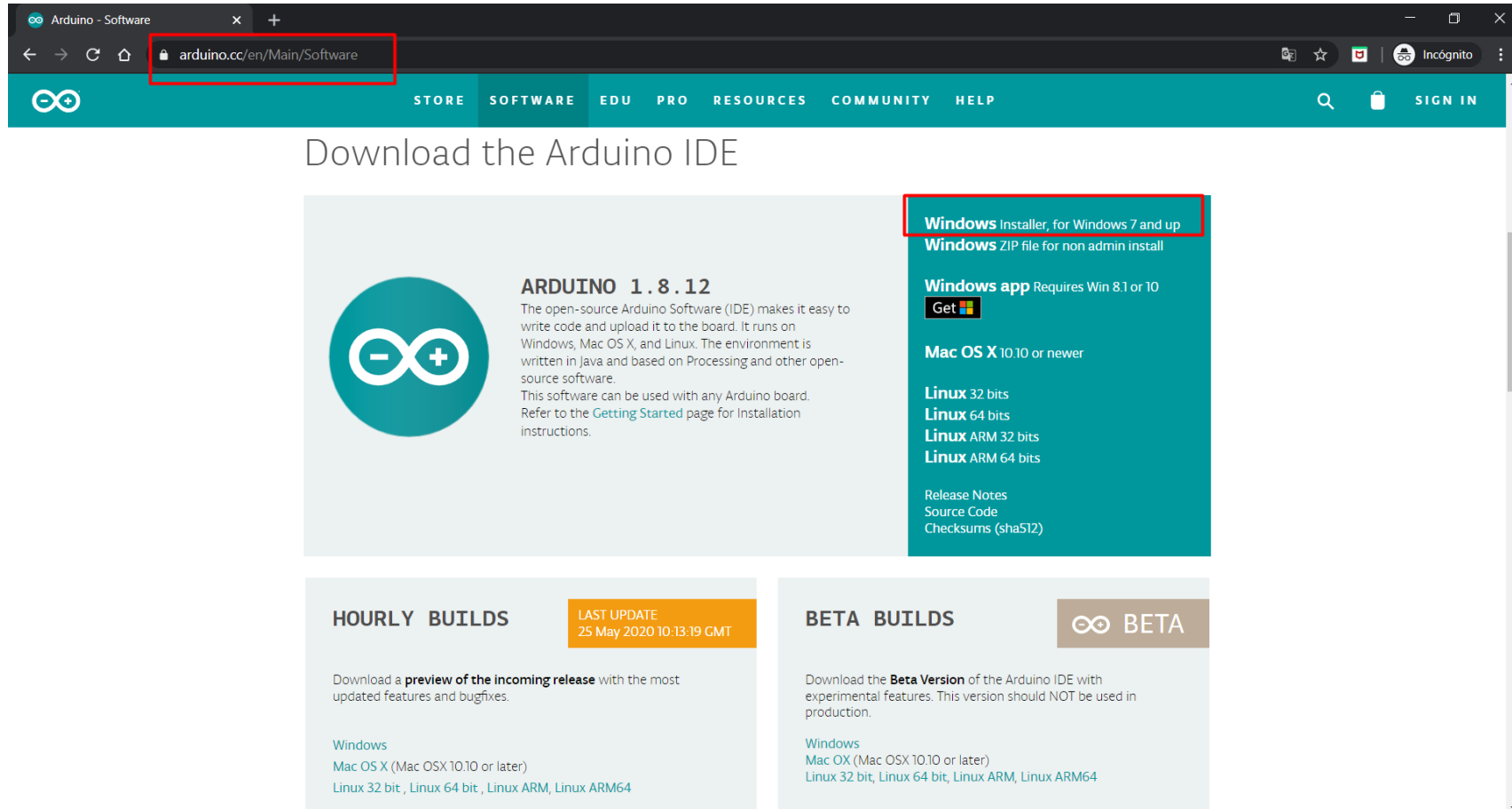


Instalación Arduino

<https://www.arduino.cc/>



Instalación Arduino



The screenshot shows a web browser window with the URL `arduino.cc/en/Main/Software` highlighted in the address bar. The page title is "Download the Arduino IDE". The main content area features the Arduino logo and the version "ARDUINO 1.8.12". To the right of the logo, there is a list of download options for Windows, Mac OS X, and Linux. Below this, there are sections for "HOURLY BUILDS" and "BETA BUILDS".

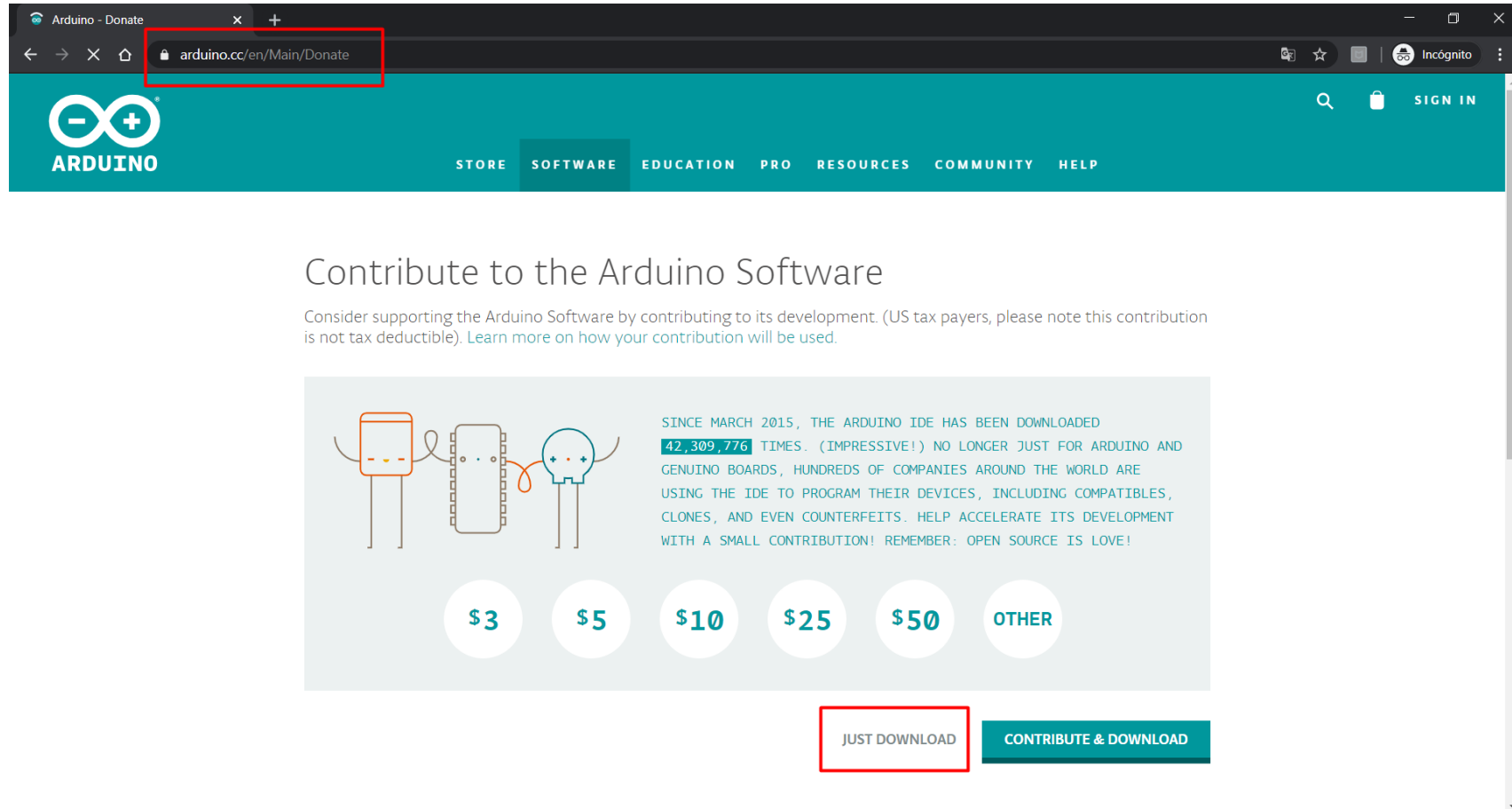
ARDUINO 1.8.12
The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. It runs on Windows, Mac OS X, and Linux. The environment is written in Java and based on Processing and other open-source software. This software can be used with any Arduino board. Refer to the [Getting Started](#) page for Installation instructions.

Windows Installer, for Windows 7 and up
Windows ZIP file for non admin install
Windows app Requires Win 8.1 or 10
Mac OS X 10.10 or newer
Linux 32 bits
Linux 64 bits
Linux ARM 32 bits
Linux ARM 64 bits
[Release Notes](#)
[Source Code](#)
[Checksums \(sha512\)](#)

HOURLY BUILDS **LAST UPDATE** 25 May 2020 10:13:19 GMT
Download a **preview of the incoming release** with the most updated features and bugfixes.
[Windows](#)
[Mac OS X](#) (Mac OSX 10.10 or later)
[Linux](#) 32 bit , [Linux](#) 64 bit , [Linux](#) ARM, [Linux](#) ARM64

BETA BUILDS **BETA**
Download the **Beta Version** of the Arduino IDE with experimental features. This version should NOT be used in production.
[Windows](#)
[Mac OS X](#) (Mac OSX 10.10 or later)
[Linux](#) 32 bit, [Linux](#) 64 bit, [Linux](#) ARM, [Linux](#) ARM64

Instalación Arduino



The screenshot shows a web browser window with the URL `arduino.cc/en/Main/Donate` highlighted in the address bar. The page features the Arduino logo and a navigation menu with links to STORE, SOFTWARE, EDUCATION, PRO, RESOURCES, COMMUNITY, and HELP. The main heading is "Contribute to the Arduino Software", followed by a paragraph explaining the purpose of the donation and a link to learn more. Below this is a section with a diagram of three Arduino boards and a text block stating that the Arduino IDE has been downloaded 42,309,776 times since March 2015. At the bottom, there are six circular buttons for donation amounts: \$3, \$5, \$10, \$25, \$50, and OTHER. A red box highlights the "JUST DOWNLOAD" button, and a teal button labeled "CONTRIBUTE & DOWNLOAD" is also visible.

Arduino - Donate

arduino.cc/en/Main/Donate

ARDUINO

STORE SOFTWARE EDUCATION PRO RESOURCES COMMUNITY HELP

Contribute to the Arduino Software

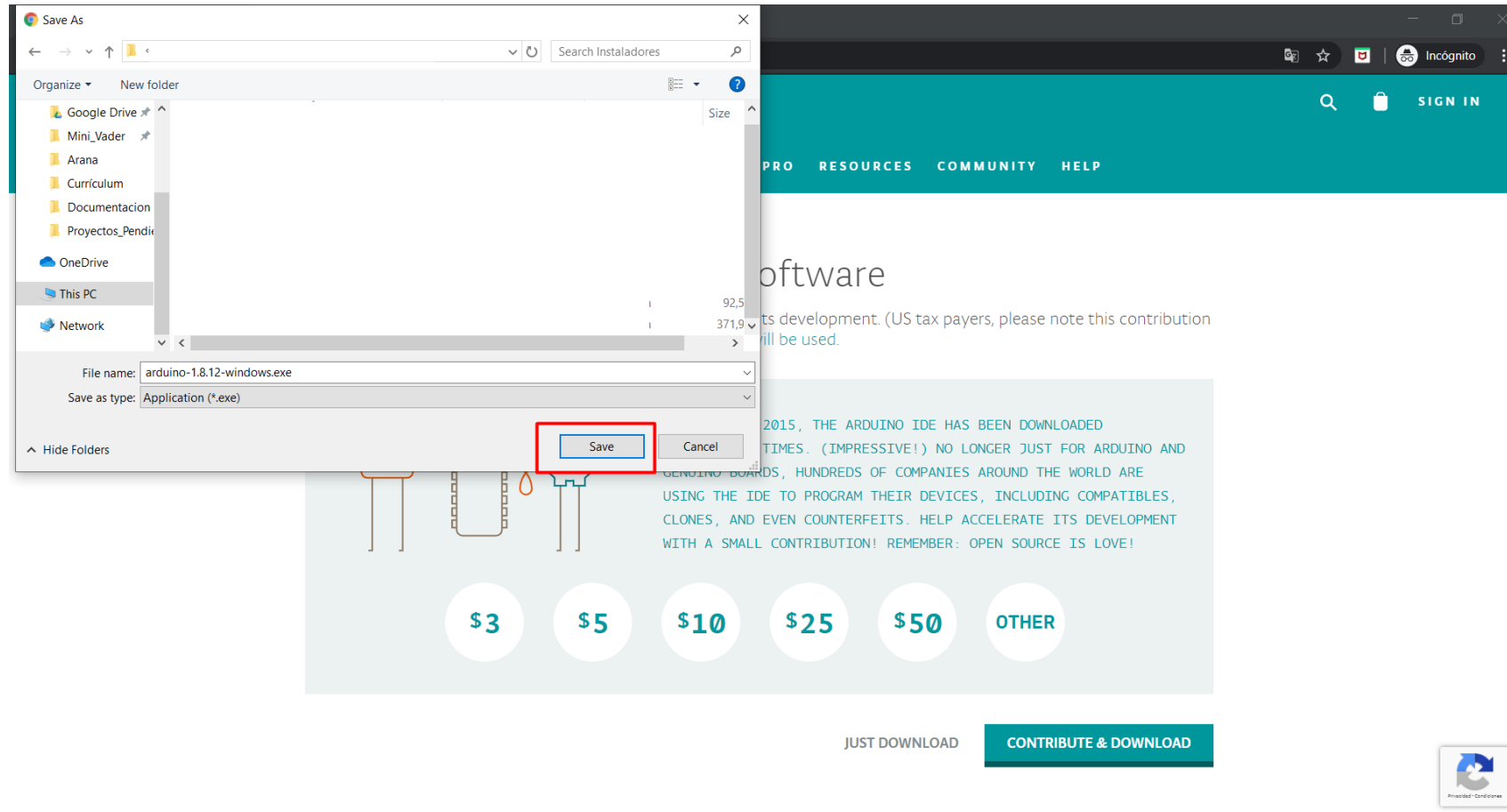
Consider supporting the Arduino Software by contributing to its development. (US tax payers, please note this contribution is not tax deductible). [Learn more on how your contribution will be used.](#)

SINCE MARCH 2015, THE ARDUINO IDE HAS BEEN DOWNLOADED **42,309,776** 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!

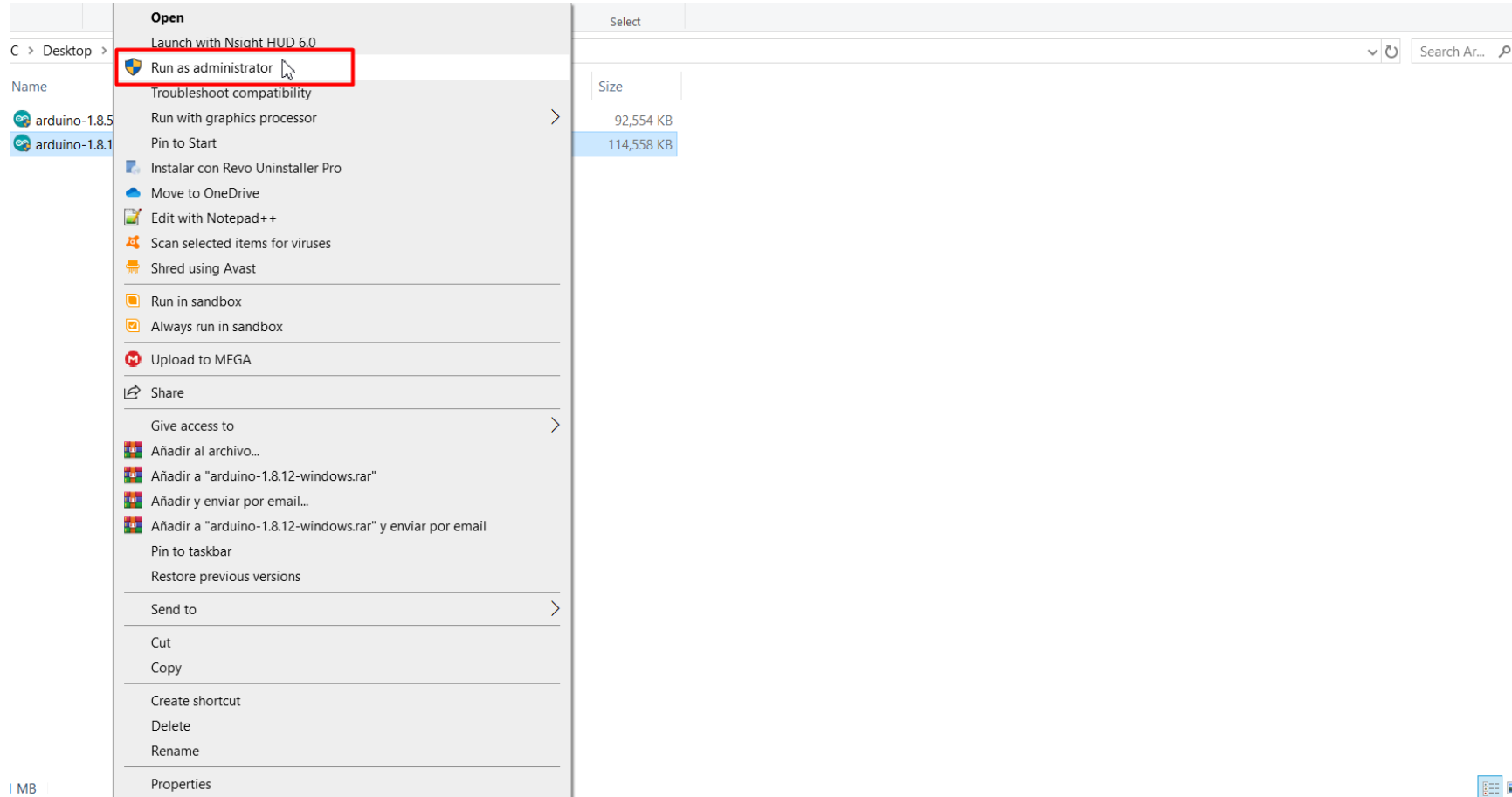
\$3 \$5 \$10 \$25 \$50 OTHER

JUST DOWNLOAD CONTRIBUTE & DOWNLOAD


Instalación Arduino



Instalación Arduino



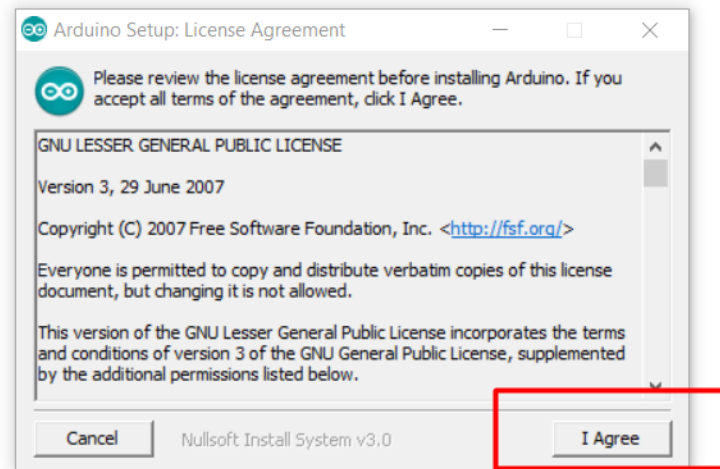
Instalación Arduino

 arduino-1.8.12-windows.exe


5/28/2020 11:24 AM

Application

114,558 KB



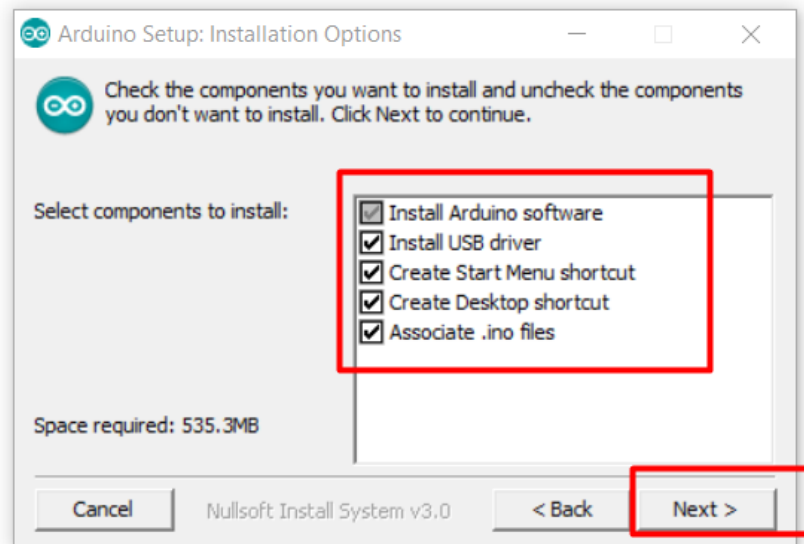
Instalación Arduino

 arduino-1.8.12-windows.exe


5/28/2020 11:24 AM

Application

114,558 KB



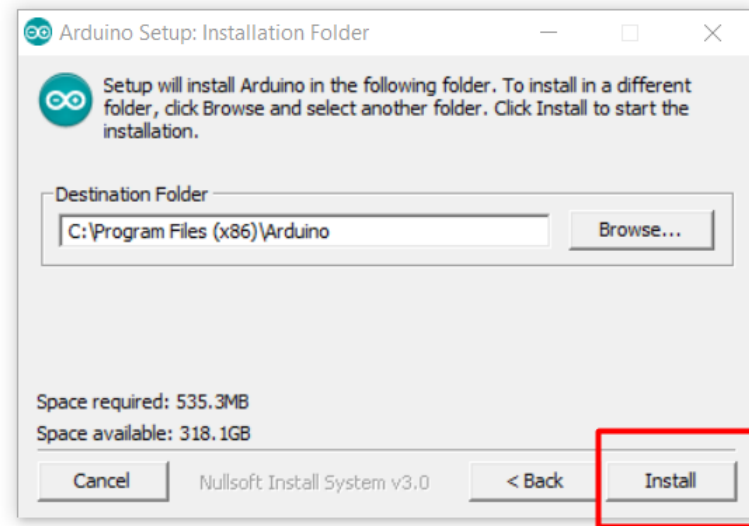
Instalación Arduino

 arduino-1.8.12-windows.exe

5/28/2020 11:24 AM

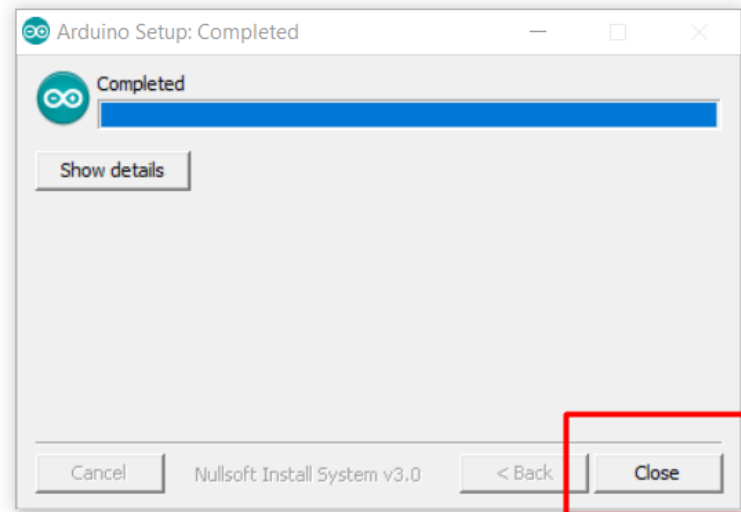
Application

114,558 KB

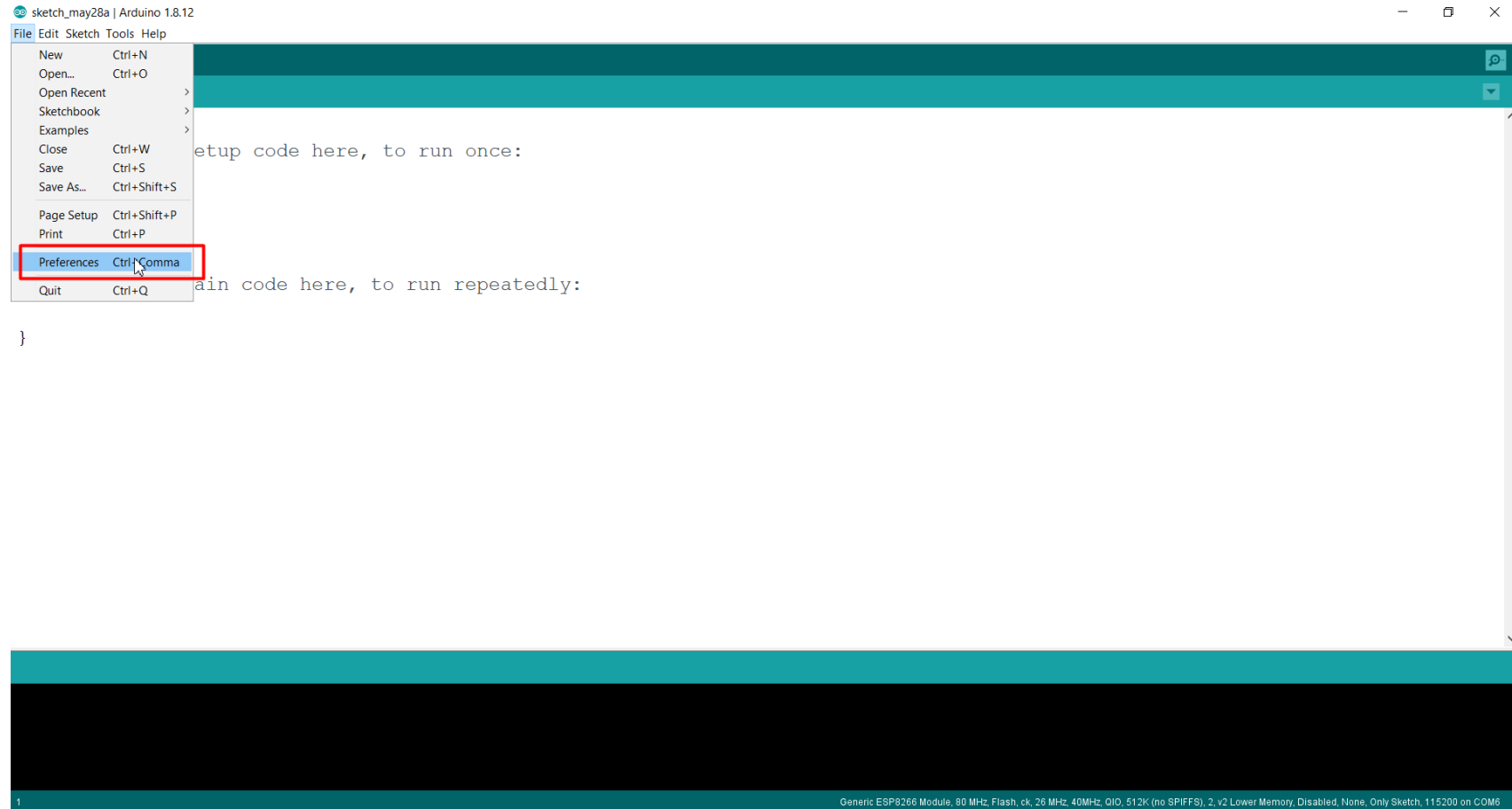


Instalación Arduino

 arduino-1.8.12-windows.exe 5/28/2020 11:24 AM Application 114,558 KB

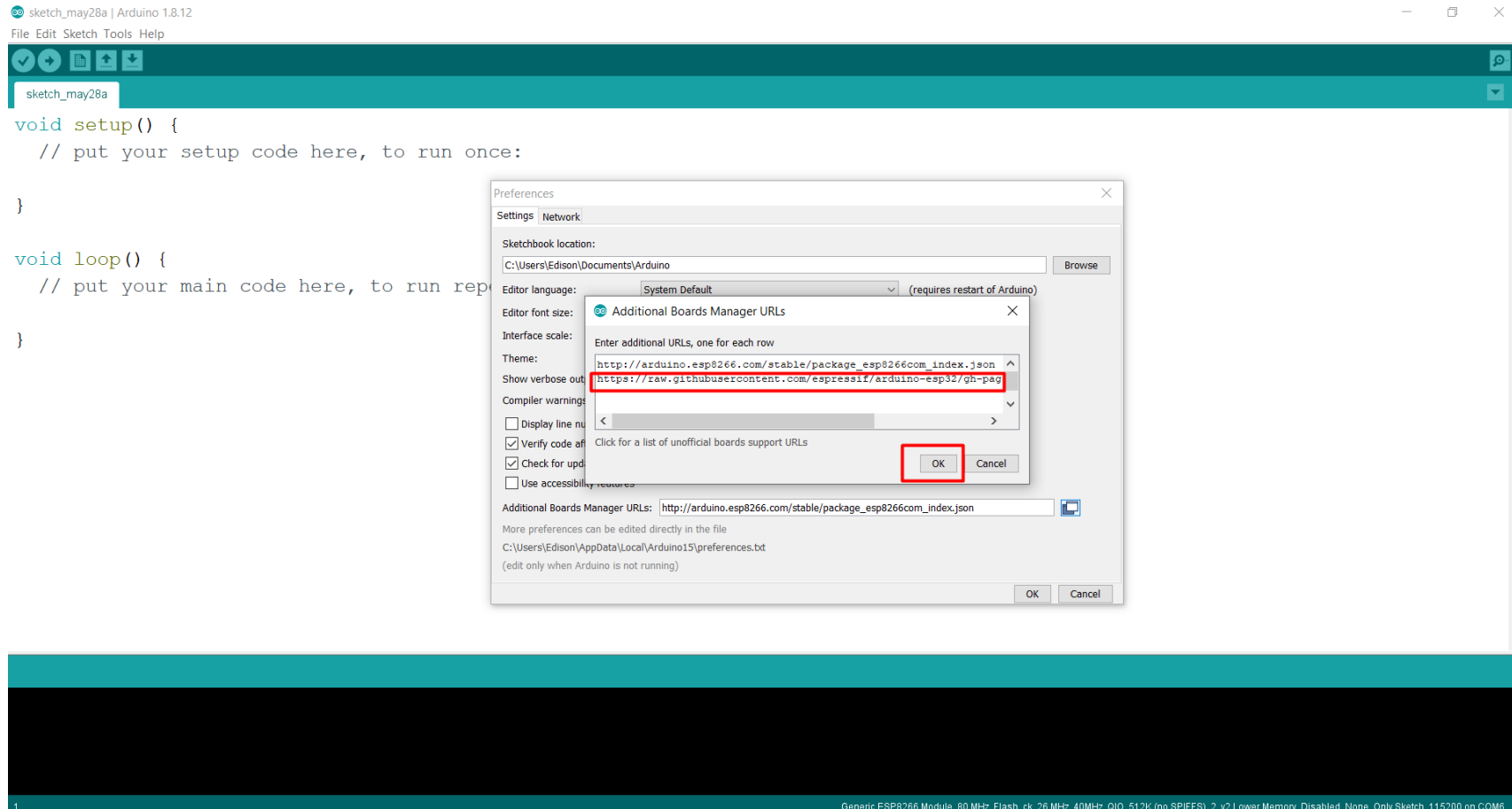


Instalación ESP32-CAM



Instalación ESP32-CAM

https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json



Instalación ESP32-CAM

https://github.com/espressif/arduino-esp32/blob/master/docs/arduino-ide/boards_manager.md

arduino-esp32/boards_manager · X +

github.com/espressif/arduino-esp32/blob/master/docs/arduino-ide/boards_manager.md

2 contributors

12 lines (9 sloc) | 1.04 KB

Raw Blame History

Installation instructions using Arduino IDE Boards Manager

=====

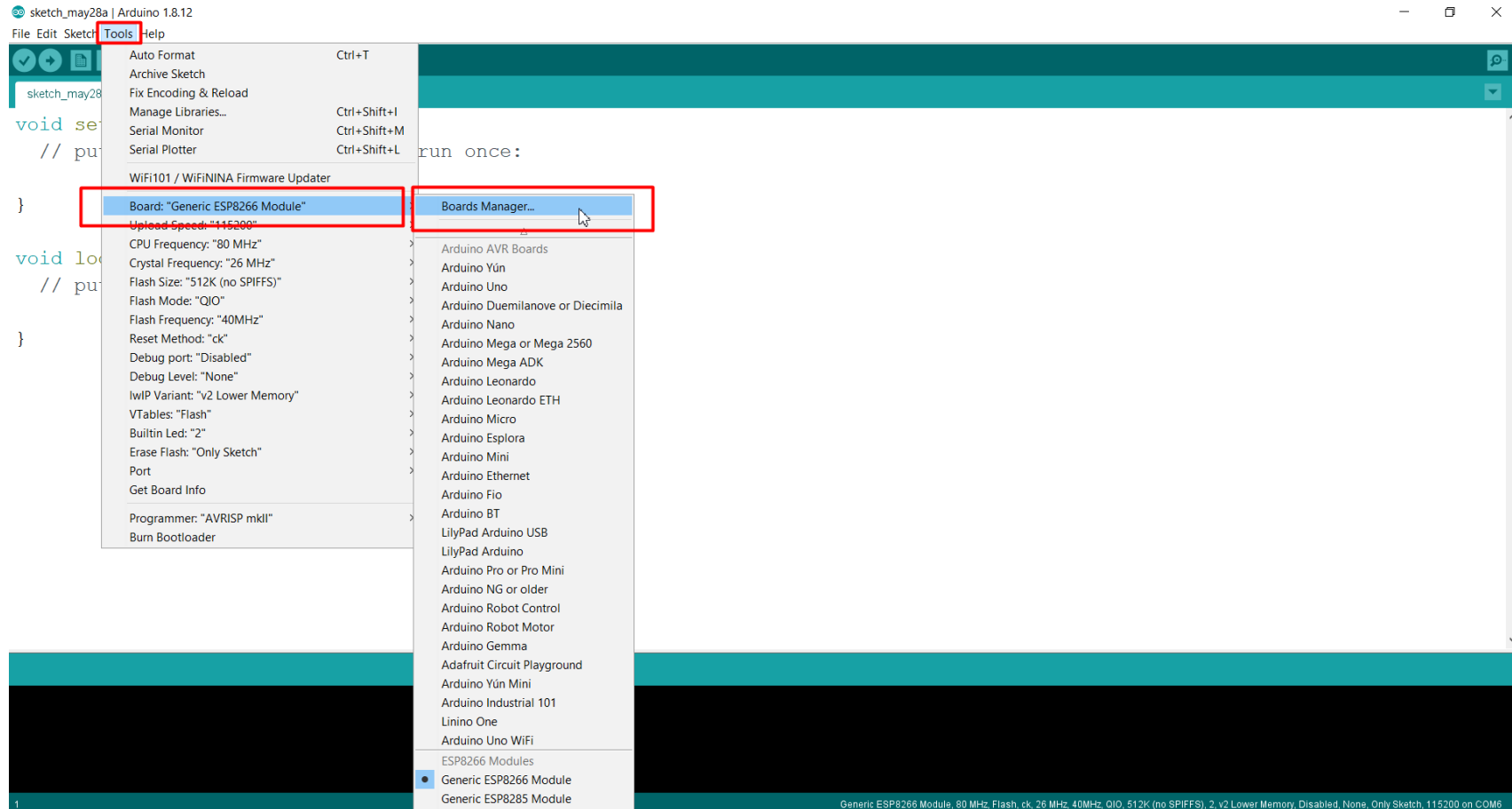
- Stable release link: https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json
- Development release link: https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_dev_index.json

Starting with 1.6.4, Arduino allows installation of third-party platform packages using Boards Manager. We have packages available for Windows, Mac OS, and Linux (32, 64 bit and ARM).

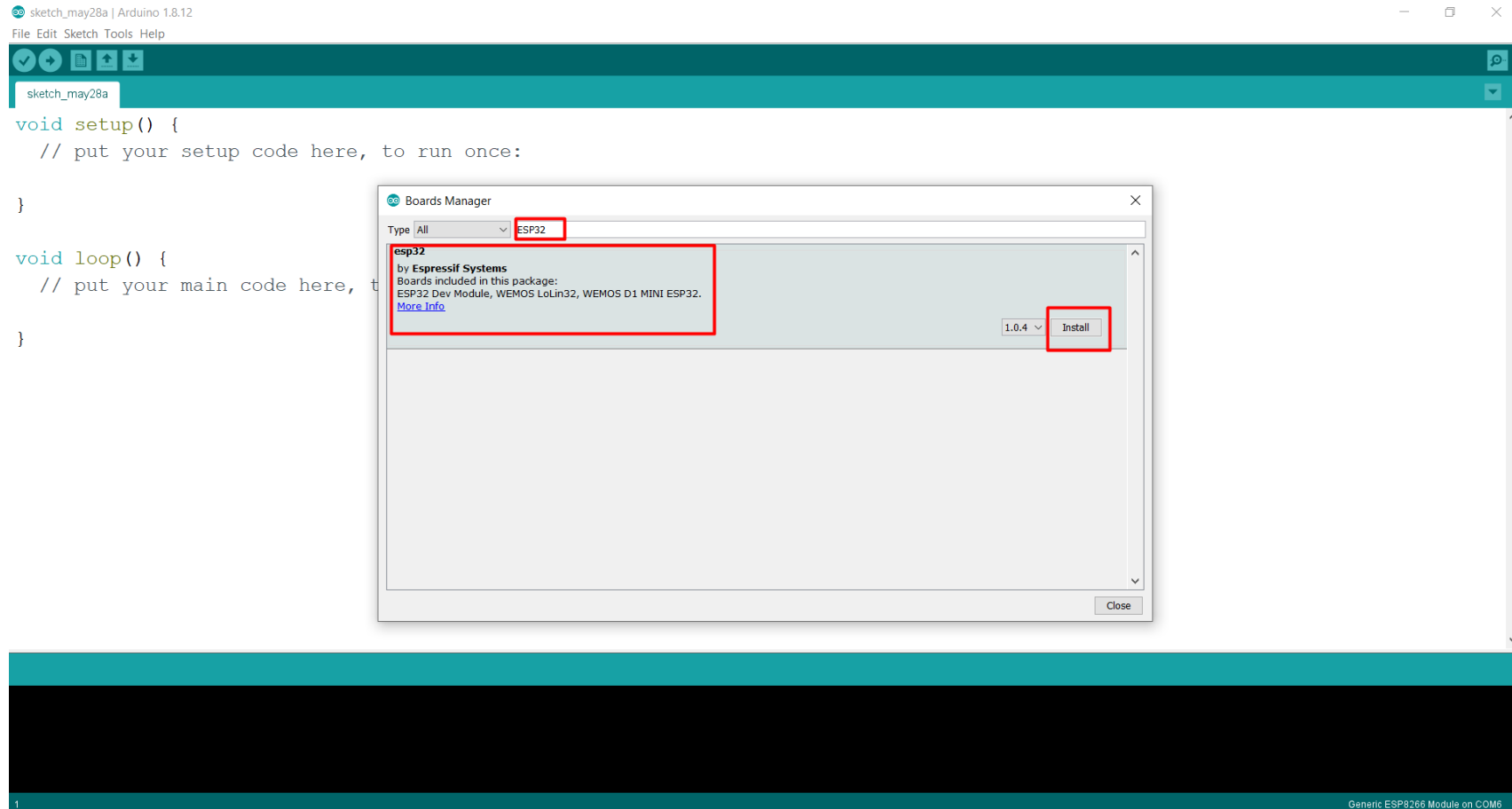
- Install the current upstream Arduino IDE at the 1.8 level or later. The current version is at the [Arduino website](#).
- Start Arduino and open Preferences window.
- Enter one of the release links above into *Additional Board Manager URLs* field. You can add multiple URLs, separating them with commas.
- Open Boards Manager from Tools > Board menu and install *esp32* platform (and don't forget to select your ESP32 board from Tools > Board menu after installation).

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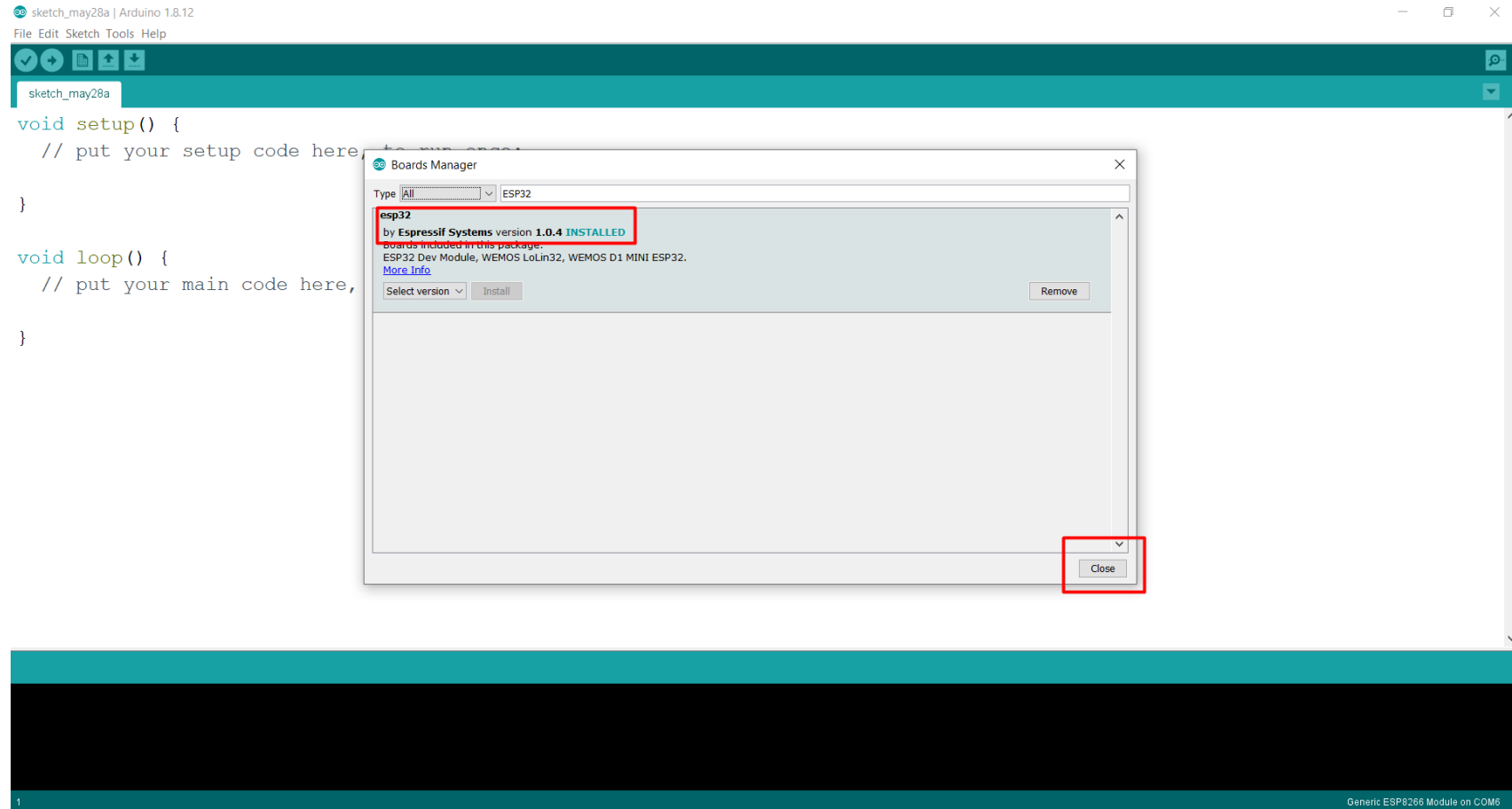
Instalación ESP32-CAM



Instalación ESP32-CAM



Instalación ESP32-CAM



Instalación ESP32-CAM

<https://github.com/yoursunny/esp32cam>

GitHub - yoursunny/esp32cam: OV2640 camera on ESP32-CAM, Arduino library

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OV2640 camera on ESP32-CAM, Arduino library

17 commits 1 branch 0 packages 0 releases 2 contributors

Branch: master New pull request Find file Clone or download

yourunny camera: change resolution

- examples camera: change resolution
- src camera: change resolution
- .gitignore frame: fix double-free error
- README.md morph into esp32cam library
- library.properties camera: change resolution

Clone with HTTPS
Use Git or checkout with SVN using the web URL.
<https://github.com/yoursunny/esp32cam.git>
Open in Desktop Download ZIP

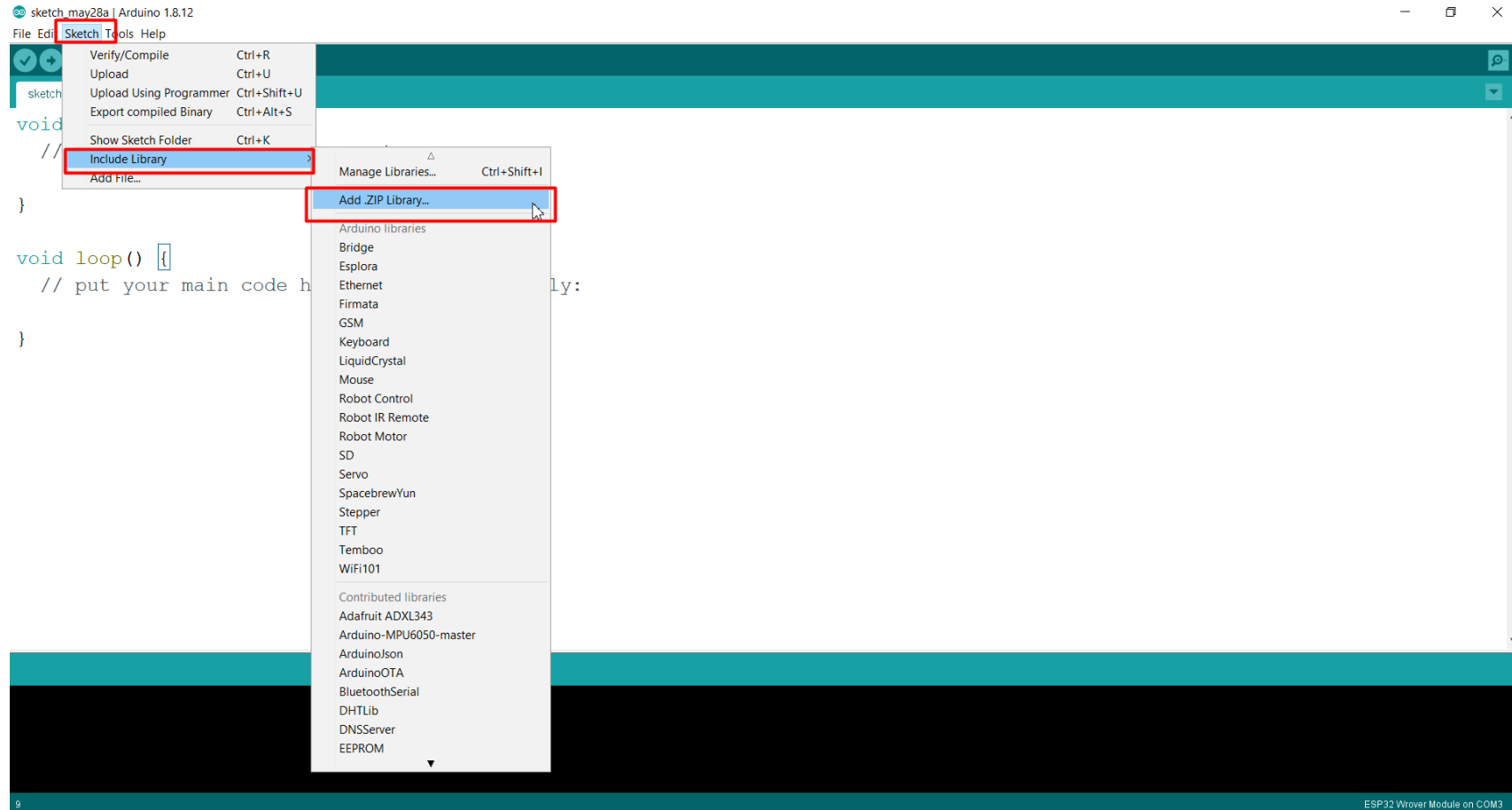
README.md

esp32cam: OV2640 camera on ESP32-CAM

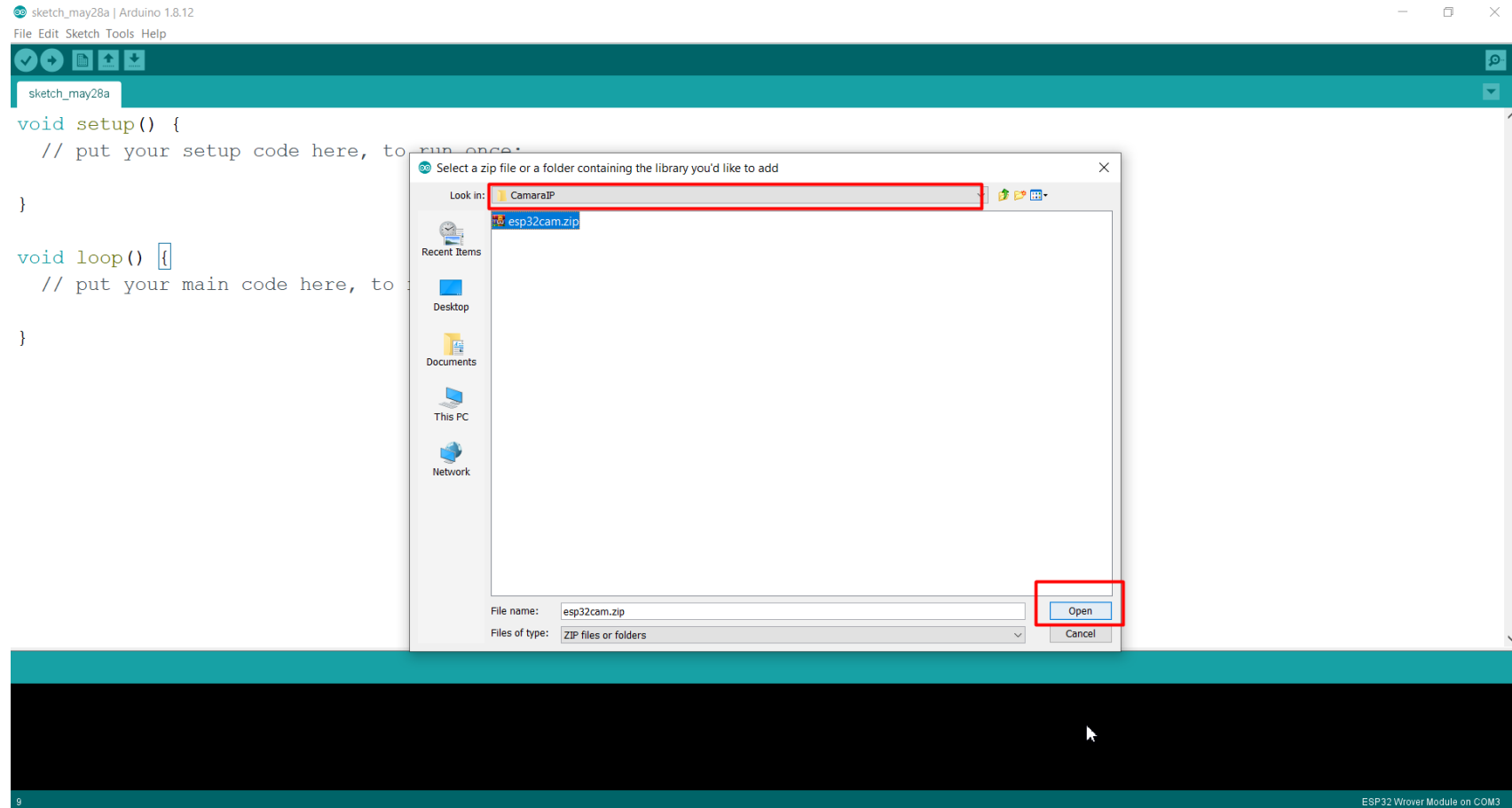
This library wraps [esp32-camera](#) library in object oriented API. It has been tested with AI Thinker [ESP32-CAM](#) board and OV2640 camera.

<https://github.com/yoursunny/esp32cam/archive/master.zip>

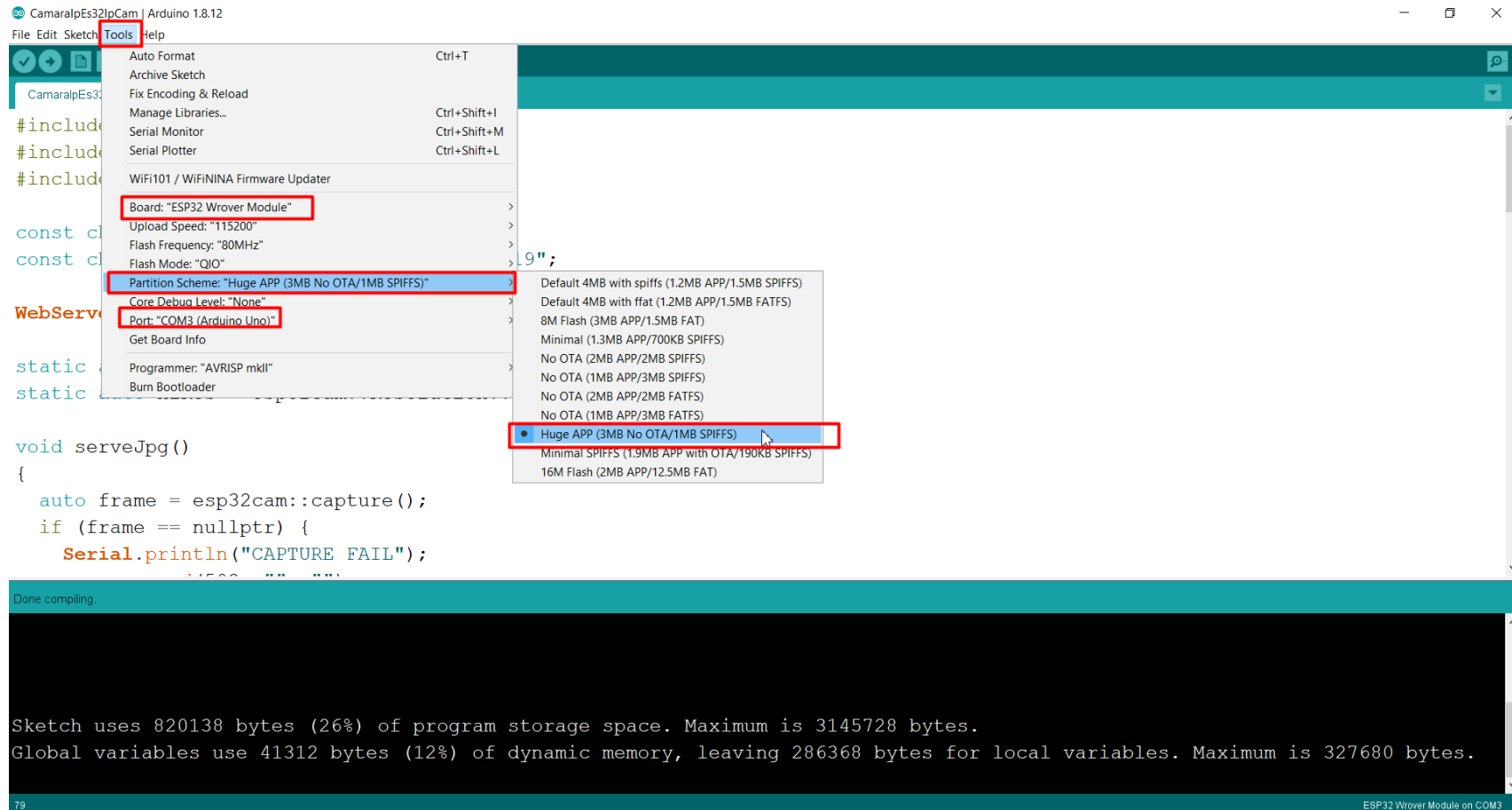
Instalación ESP32-CAM



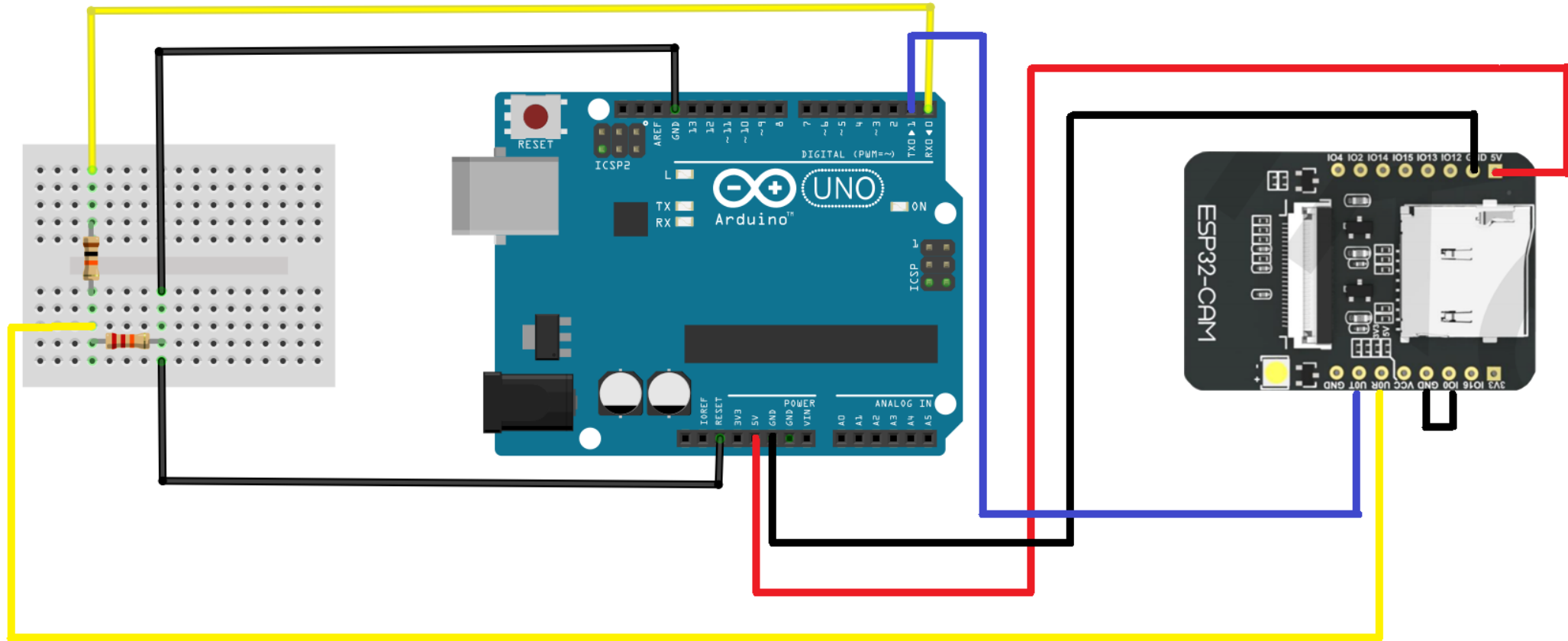
Instalación ESP32-CAM



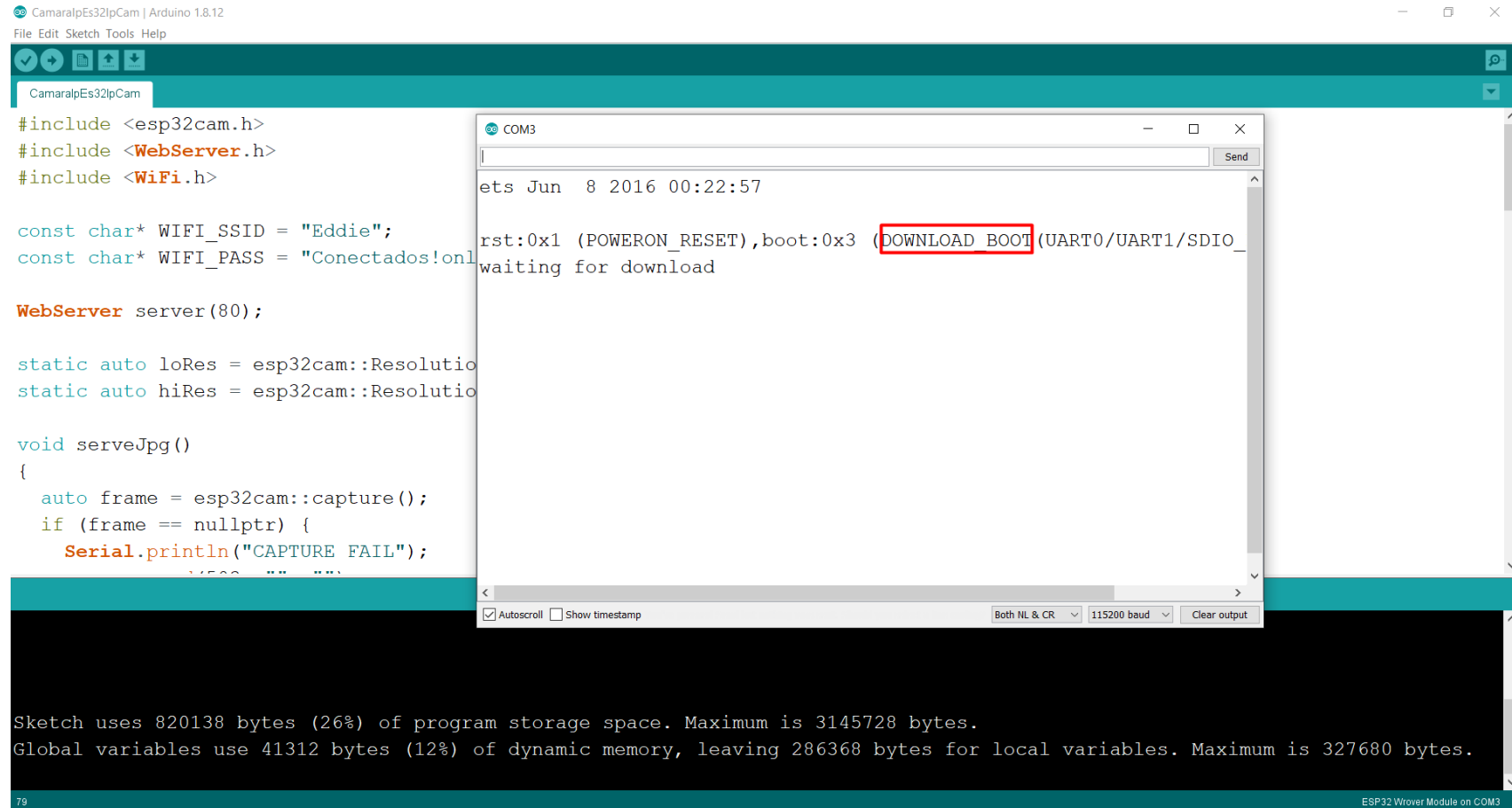
Instalación ESP32-CAM



Instalación ESP32-CAM



Instalación ESP32-CAM



The screenshot displays the Arduino IDE interface. The main window shows the sketch 'CamaralpEs32IpCam' with the following code:

```
#include <esp32cam.h>
#include <WebServer.h>
#include <WiFi.h>

const char* WIFI_SSID = "Eddie";
const char* WIFI_PASS = "Conectados!only";

WebServer server(80);

static auto loRes = esp32cam::Resolution::LOW;
static auto hiRes = esp32cam::Resolution::HIGH;

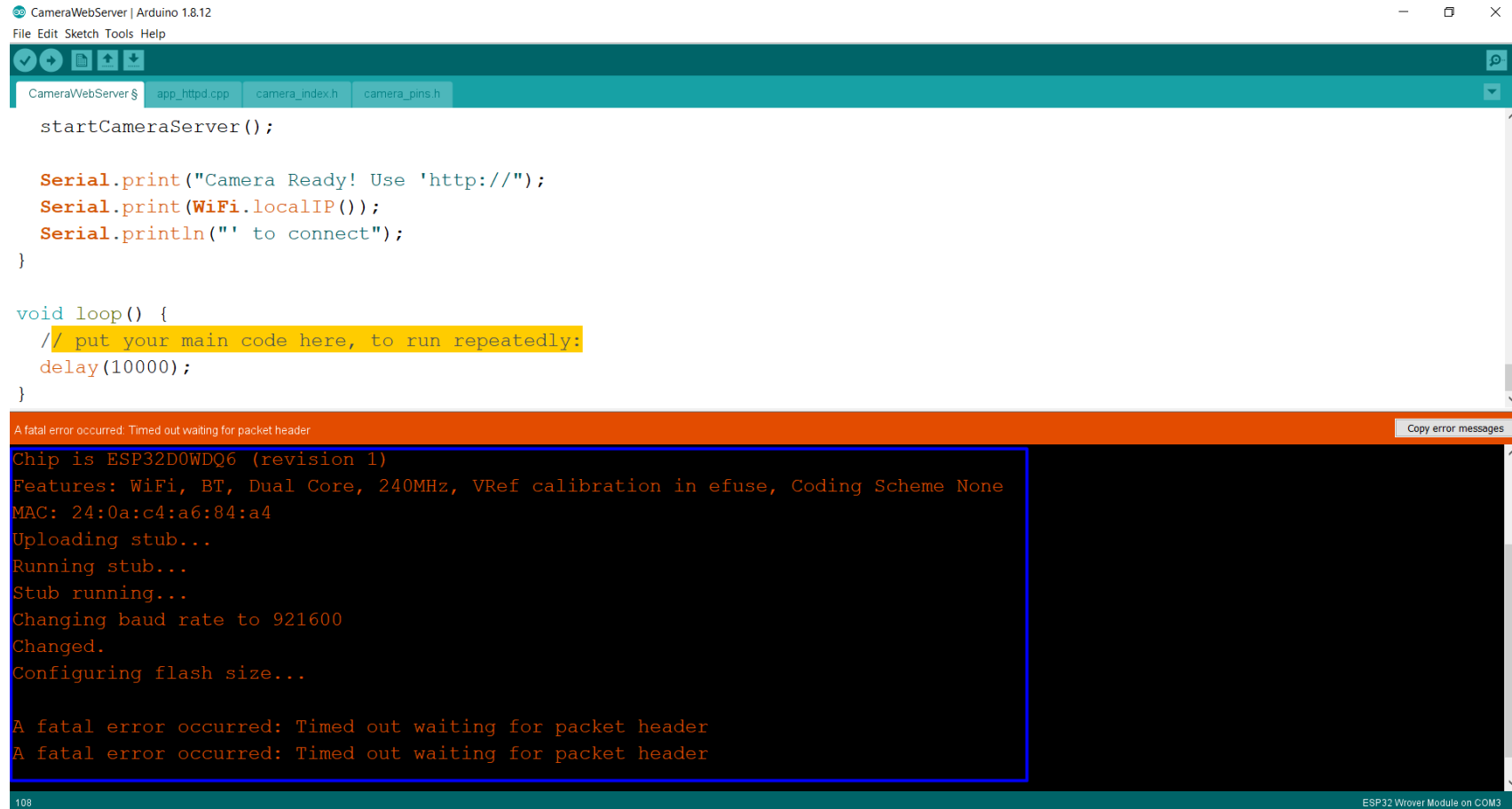
void serveJpg()
{
    auto frame = esp32cam::capture();
    if (frame == nullptr) {
        Serial.println("CAPTURE FAIL");
    }
}
```

The serial monitor window, titled 'COM3', shows the output of the sketch. The text 'ets Jun 8 2016 00:22:57' is followed by a line where 'DOWNLOAD BOOT' is highlighted with a red box. Below this, the text 'rst:0x1 (POWERON_RESET),boot:0x3 (UART0/UART1/SDIO_') and 'waiting for download' are visible.

At the bottom of the IDE, a status bar indicates 'Sketch uses 820138 bytes (26%) of program storage space. Maximum is 3145728 bytes. Global variables use 41312 bytes (12%) of dynamic memory, leaving 286368 bytes for local variables. Maximum is 327680 bytes.'

The bottom right corner of the IDE shows 'ESP32 Wrover Module on COM3'.

Instalación ESP32-CAM



The screenshot displays the Arduino IDE interface. The top menu bar includes 'File', 'Edit', 'Sketch', 'Tools', and 'Help'. The toolbar contains icons for opening, saving, and running the sketch. The file explorer shows three files: 'app_httpd.cpp', 'camera_index.h', and 'camera_pins.h'. The main editor window contains the following C++ code:

```
startCameraServer();

Serial.print("Camera Ready! Use 'http://");
Serial.print(WiFi.localIP());
Serial.println("' to connect");
}

void loop() {
  // put your main code here, to run repeatedly:
  delay(10000);
}
```

Below the code editor is a serial monitor window with an orange header that reads 'A fatal error occurred: Timed out waiting for packet header' and a 'Copy error messages' button. The serial output text is as follows:

```
Chip is ESP32D0WDQ6 (revision 1)
Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme None
MAC: 24:0a:c4:a6:84:a4
Uploading stub...
Running stub...
Stub running...
Changing baud rate to 921600
Changed.
Configuring flash size...

A fatal error occurred: Timed out waiting for packet header
A fatal error occurred: Timed out waiting for packet header
```

The status bar at the bottom left shows the line number '108', and the bottom right indicates 'ESP32 Wrover Module on COM3'.

Instalación ESP32-CAM

