

Download ESPCAM-32

https://github.com/s60sc/ESP32-CAM_MJPEG2SD

Repository name `ESP32-CAM_MJPEG2SD` with "Public" label. Metrics: `Watch 60`, `Fork 293`, `Star 1.4k`.

Branches: `master`, `1 Branch`. Tags: `25 Tags`.

Go to file

Add file `<> Code`

About

Repository owner `s60sc` and version `v10.8.3`.

Commit history: `b931cdc · 2 months ago`, `810 Commits`.

ESP32 Camera motion capture application to record JPEGs to SD card as AVI files and stream to browser as MJPEG. If a microphone is installed then a WAV file is also created. Files can be uploaded via FTP or downloaded to browser.

data	v10.8.3
extras	Update stsetupPage
ESP32-CAM_MJPEG2SD.ino	v10.8.1
LICENSE	v10.8.0
README.md	v10.8.3
appGlobals.h	v10.8.3
appSpecific.cpp	v10.8.2
audio.cpp	v10.6.2
avi.cpp	v10.8.2
camera_pins.h	v10.8.3
certificates.cpp	v10.7.3

Timeline of updates: 2 months ago, last year, 3 months ago, 3 months ago, 2 months ago, 2 months ago, 2 months ago, 5 months ago, 2 months ago, 2 months ago, 3 months ago.

- `machine-learning` `camera` `rtsp` `fpv`
- `telegram-bot` `esp32` `mjpeg` `telemetry`
- `microphone` `wav` `video-processing`
- `motion-capture` `avi` `sd-card` `ov5640`
- `arduino-esp32` `ov2640` `esp32-cam`
- `freenove` `esp32s3`

- Readme
- AGPL-3.0 license
- Activity
- 1.4k stars
- 60 watching

ESP32-CAM_MJPEG2SD

Application for ESP32 / ESP32S3 with OV2640 / OV3660 / OV5640 / PY260 camera to record JPEGs to SD card as AVI files and playback to browser as an MJPEG stream. The AVI format allows recordings to replay at correct frame rate on media players. If a microphone is installed then a WAV file is also created and stored in the AVI file.

The application supports:

- [Motion detection by camera](#) or PIR / radar sensor
- [Continuous recording](#) - Time lapse or dashcam style
- [Audio Recording](#) from I2S or PDM microphones
- Camera pan / tilt servos and lamp control
- [RTSP Server](#) stream Video, Audio and Subtitles
- [Telemetry Recording](#) during camera recording.
- [Remote Control](#) of camera mounted vehicle.
- Alert notification using [Telegram](#) or Email
- Concurrent streaming to web browser and [remote NVR](#) using HTTP or RTSP
- Transfer recordings using FTP, HTTPS, [WebDAV](#), or download from browser
- [MQTT](#) control with Home Assistant integration.
- [External Heartbeat](#) support.
- Support for peripherals: SG90 servos, MX1508 H-bridge, 28BYJ-48 stepper, HW-504 joystick, BMP280, MPU9250, MY9221 / WS2812 / SK6812 Led
- Support for [I2C devices](#): BMP280, BME280, MPU6050, MPU9350, SSD1306, LCD1602, etc.

ESP32-CAM_MJPEG2SD Public

Watch 60 Fork 293 Star 1.4k

master 1 Branch 25 Tags

s60sc v10.8.3

data

extras

ESP32-CAM_MJPEG2SD.ino

LICENSE

README.md

appGlobals.h

appSpecific.cpp

audio.cpp

avi.cpp

camera_pins.h

certificates.cpp

v10.8.3

Update setupPage

v10.8.1

v10.8.0

v10.8.3

v10.8.3

v10.8.2

v10.6.2

v10.8.2

v10.8.3

v10.7.3

Go to file

Add file

Code

About

Local Codespaces

Clone

HTTPS SSH GitHub CLI

https://github.com/s60sc/ESP32-CAM_MJPEG2SD.git

Clone using the web URL.

Open with GitHub Desktop

Download ZIP

ESP32 Camera motion capture application to record JPEGs to SD card as .AVI files and stream to browser as MJPEG. If a microphone is installed then a WAV file is also created. Files can be uploaded via FTP or downloaded to browser.

machine-learning camera rtsp fpv telegram-bot esp32 mjpeg telemetry microphone wav video-processing motion-capture avi sd-card ov5640 arduino-esp32 ov2640 esp32-cam freenove esp32s3

Readme

AGPL-3.0 license

Activity

1.4k stars

60 watching

ESP32-CAM_MJPEG2SD

- master
- s60sc v10.8.2
- data
- extras
- ESP32-CAM_MJPEG2SD-master.zip
- LICENSE
- README.md
- appGlobals.h
- appSpecific.h
- audio.cpp
- avi.cpp
- camera_pins.h

Save As

Downloads

Organize New folder

Name	Date modified	Type	Size
Last week			
ESP32-CAM_MJPEG2SD-master.zip	10/30/2025 3:53 PM	Compressed (zipped)...	5,99
ESP32-CAM_MJPEG2SD	10/30/2025 3:57 PM	File folder	
Last month			
MobaXterm_Installer_v25.2.zip	10/1/2025 8:01 PM	Compressed (zipped)...	42,34
SmartConnect	10/2/2025 8:46 AM	File folder	
MobaXterm_Installer_v25.2	10/1/2025 8:01 PM	File folder	

File name: ESP32-CAM_MJPEG2SD-master.zip

Save as type: Compressed (zipped) Folder (*.zip)

Save Cancel

ork 293 Star 1.4k

2 Camera motion capture
ation to record JPEGs to SD card as
les and stream to browser as MJPEG.
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also created. Files can be uploaded
P or downloaded to browser.

ine-learning camera rtsp fpv
ram-bot esp32 mjpeg telemetry
ophone wav video-processing
on-capture avi sd-card ov5640
no-esp32 ov2640 esp32-cam
ove esp32s3

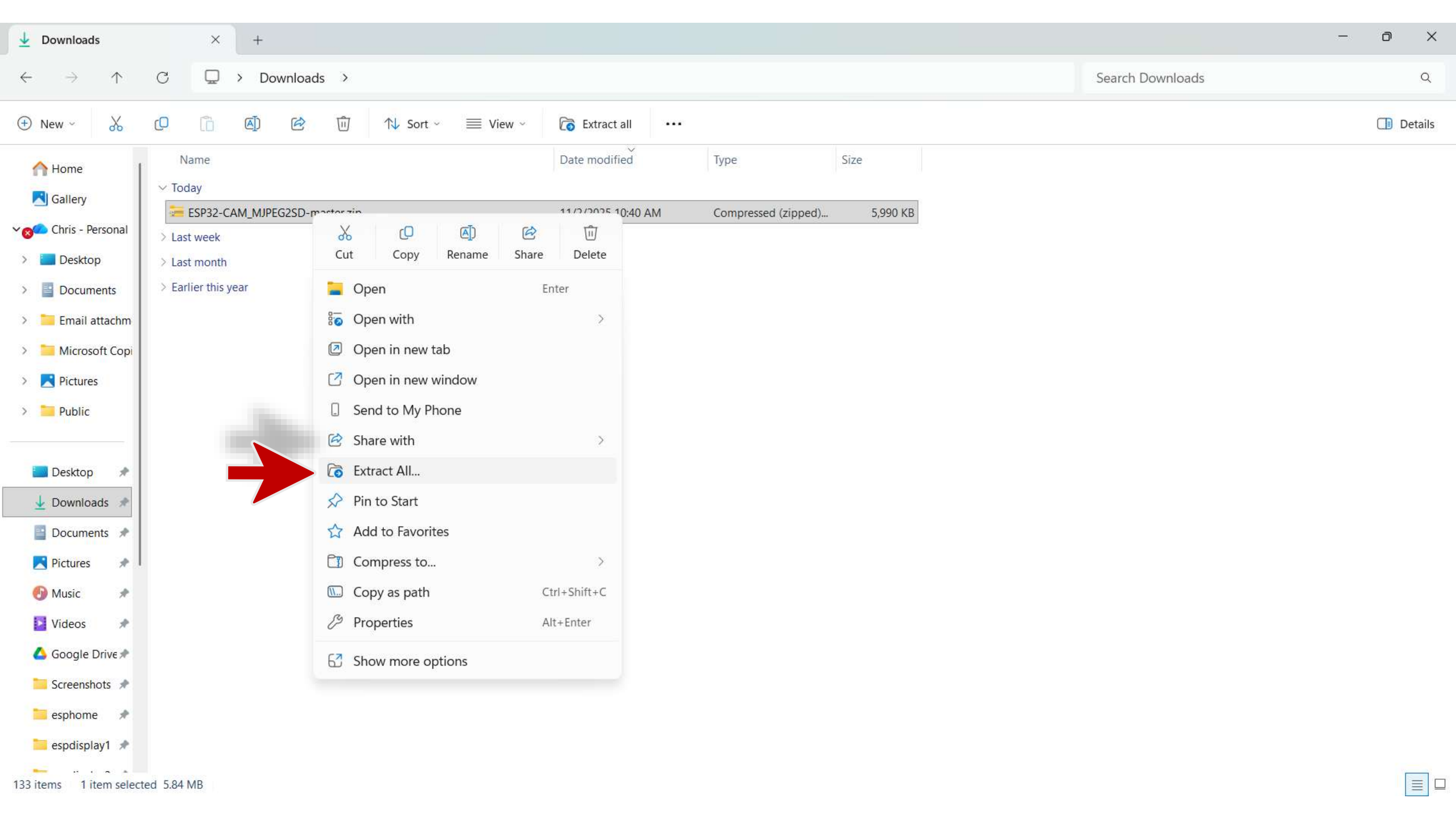
- v10.8.2
 - v10.8.3
 - v10.7.3
- months ago
2 months ago
3 months ago

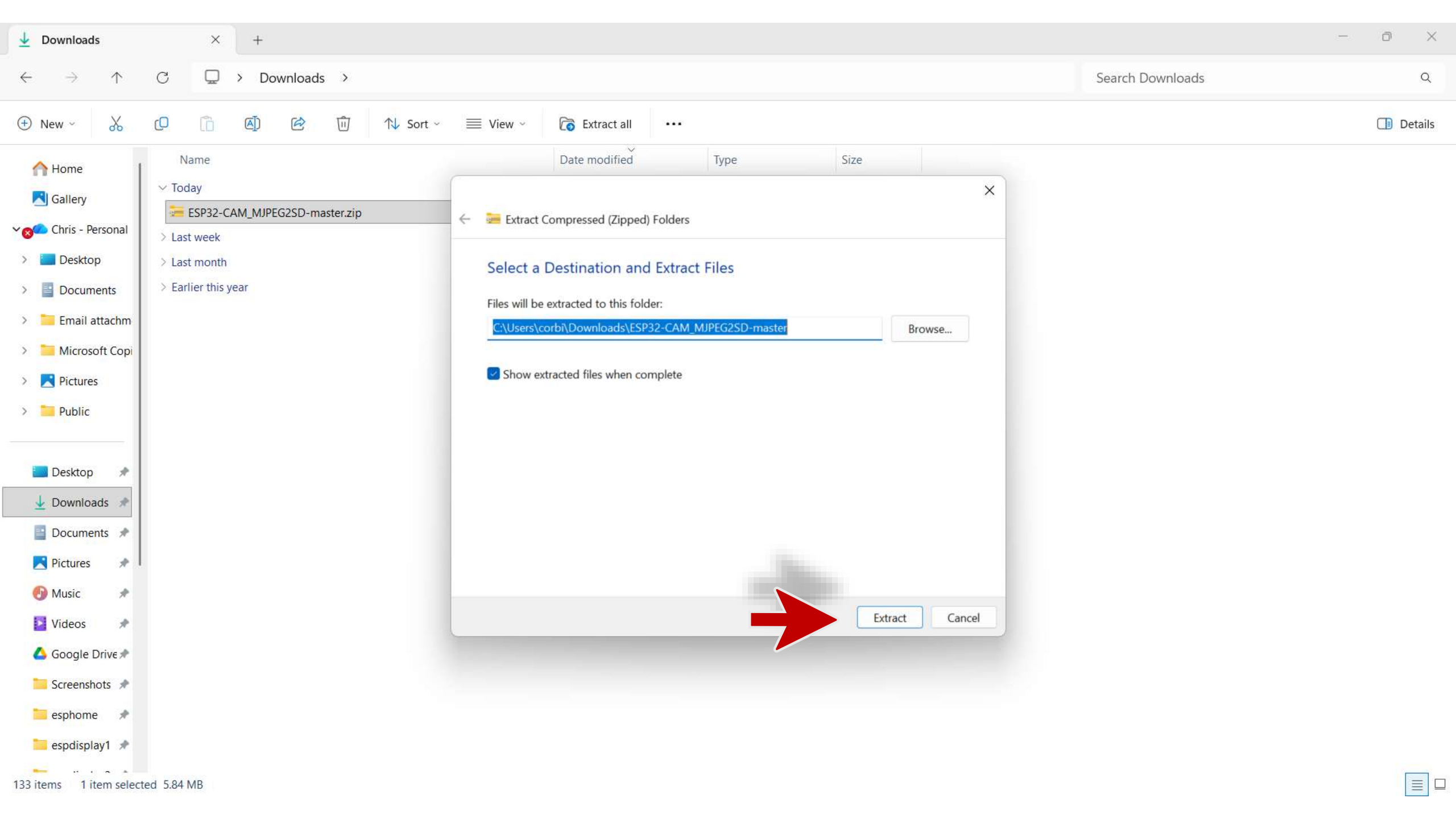
AGPL-3.0 license

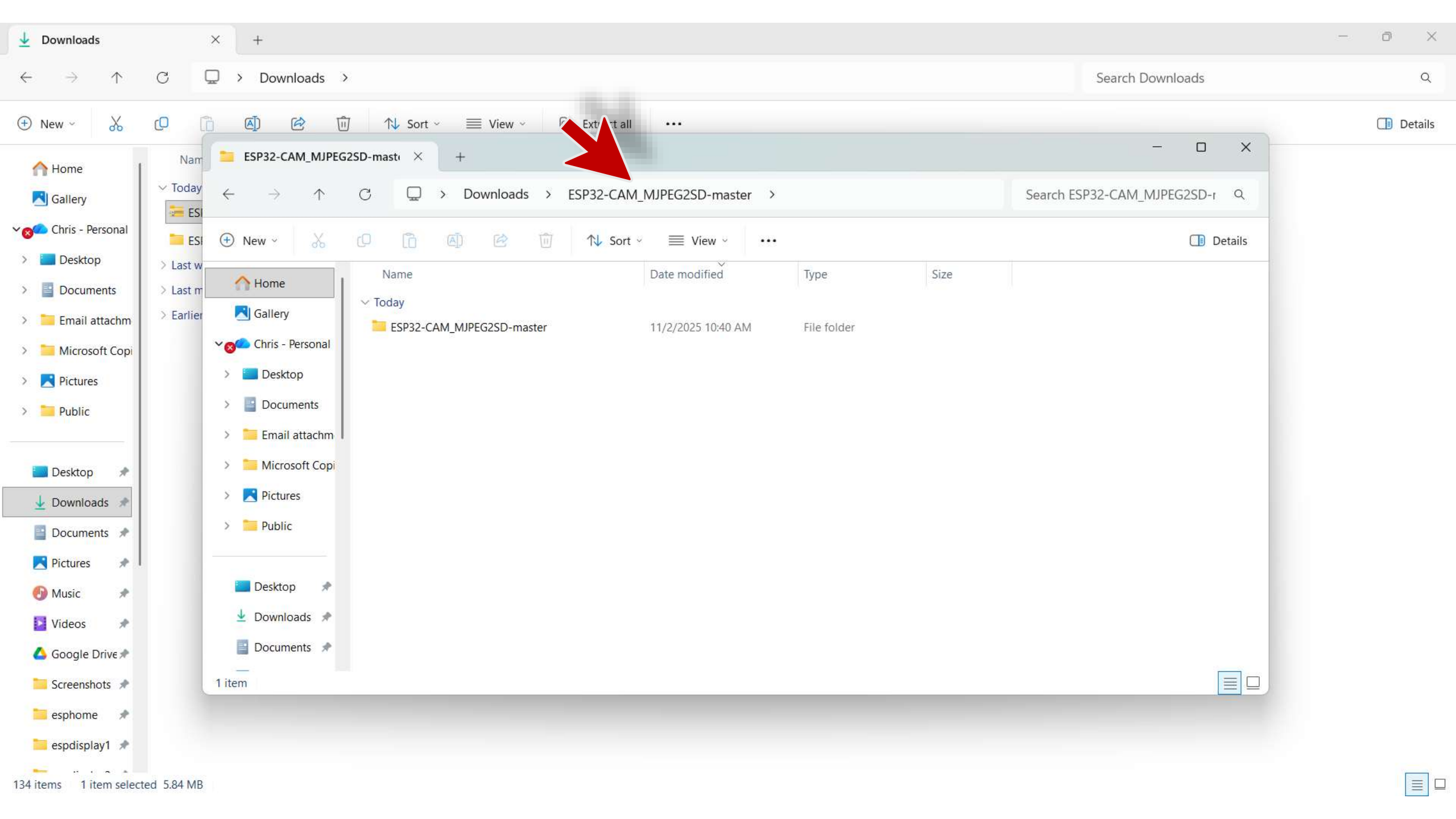
Activity

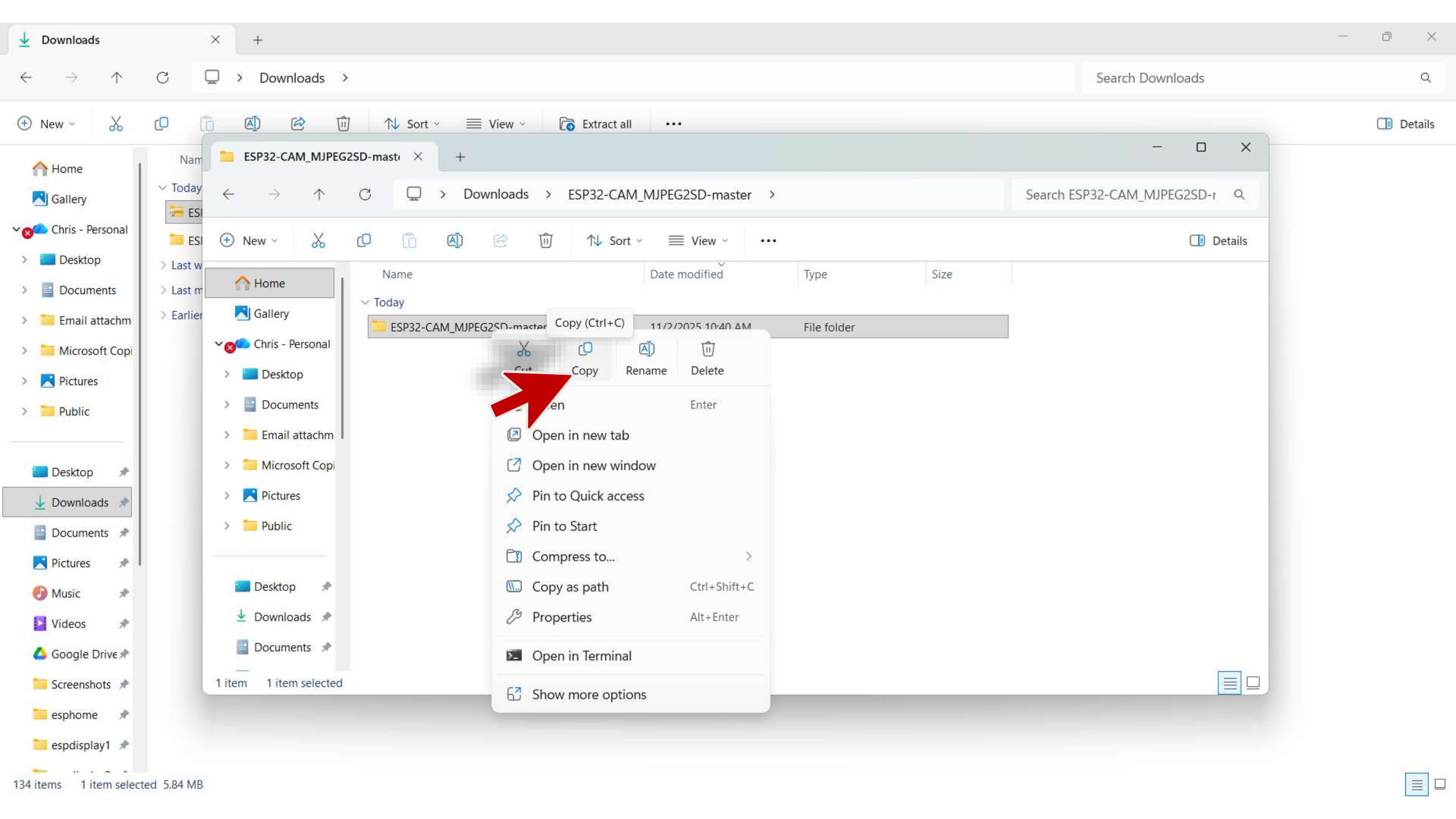
1.4k stars

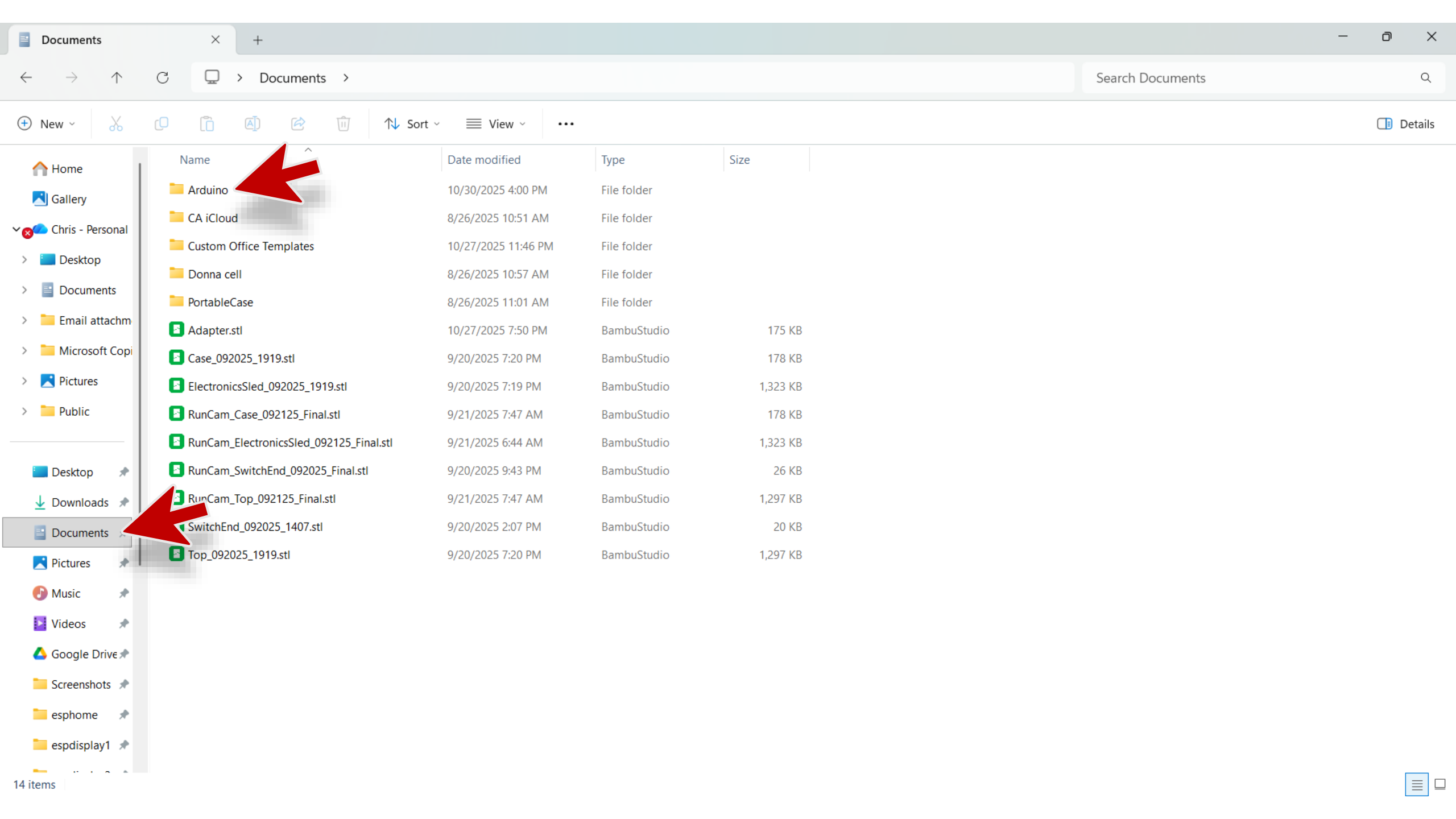
60 watching

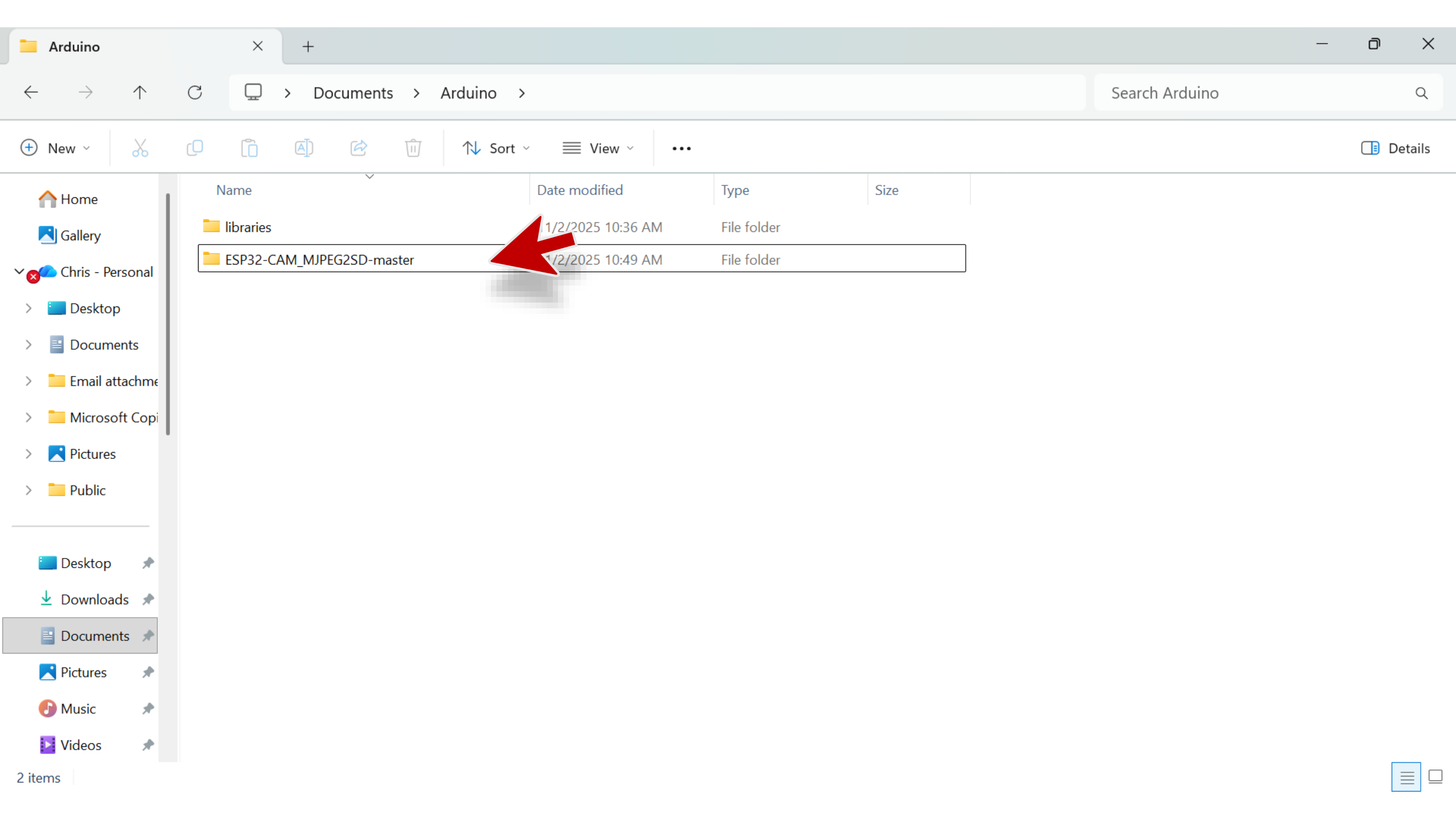




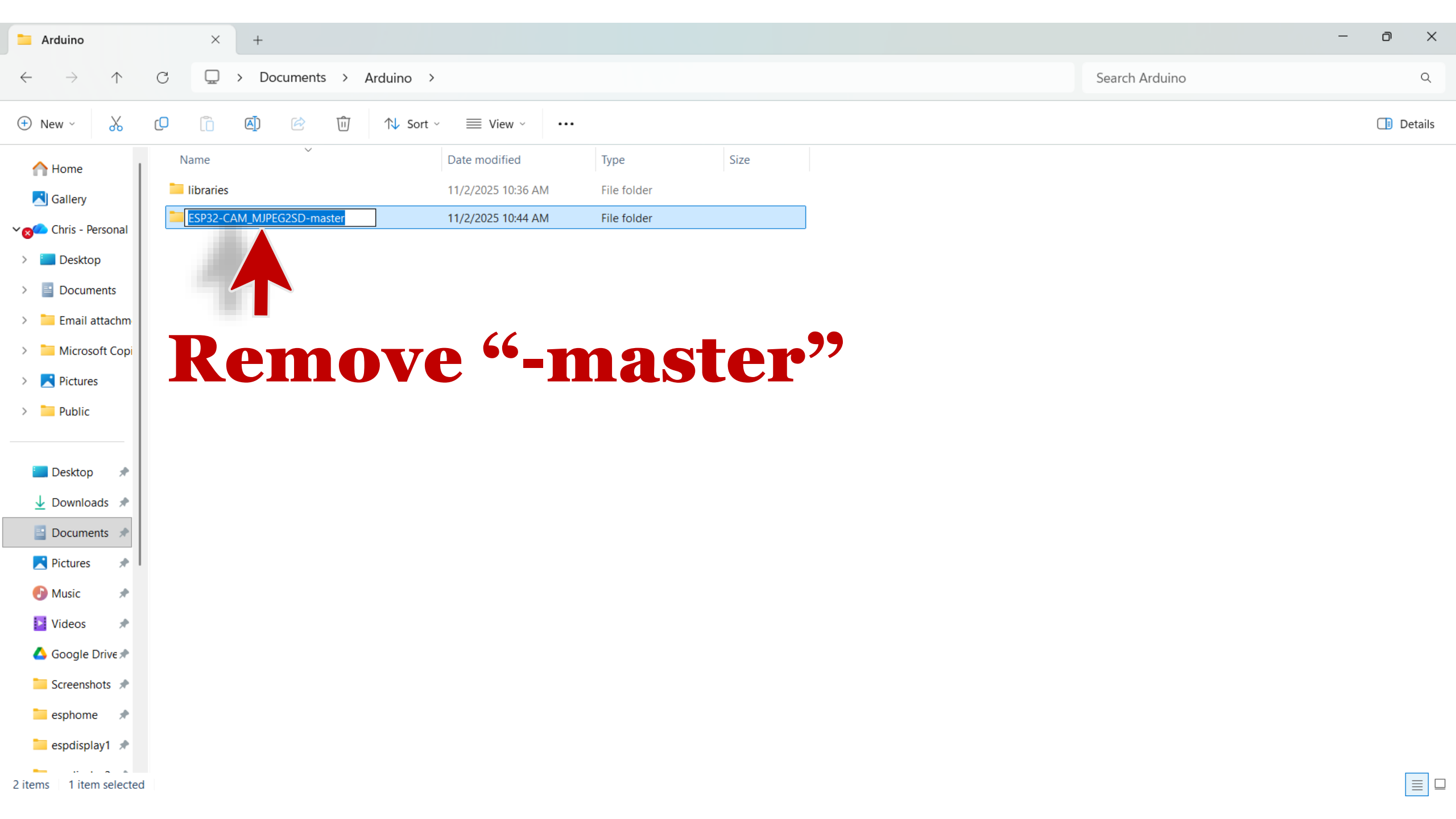


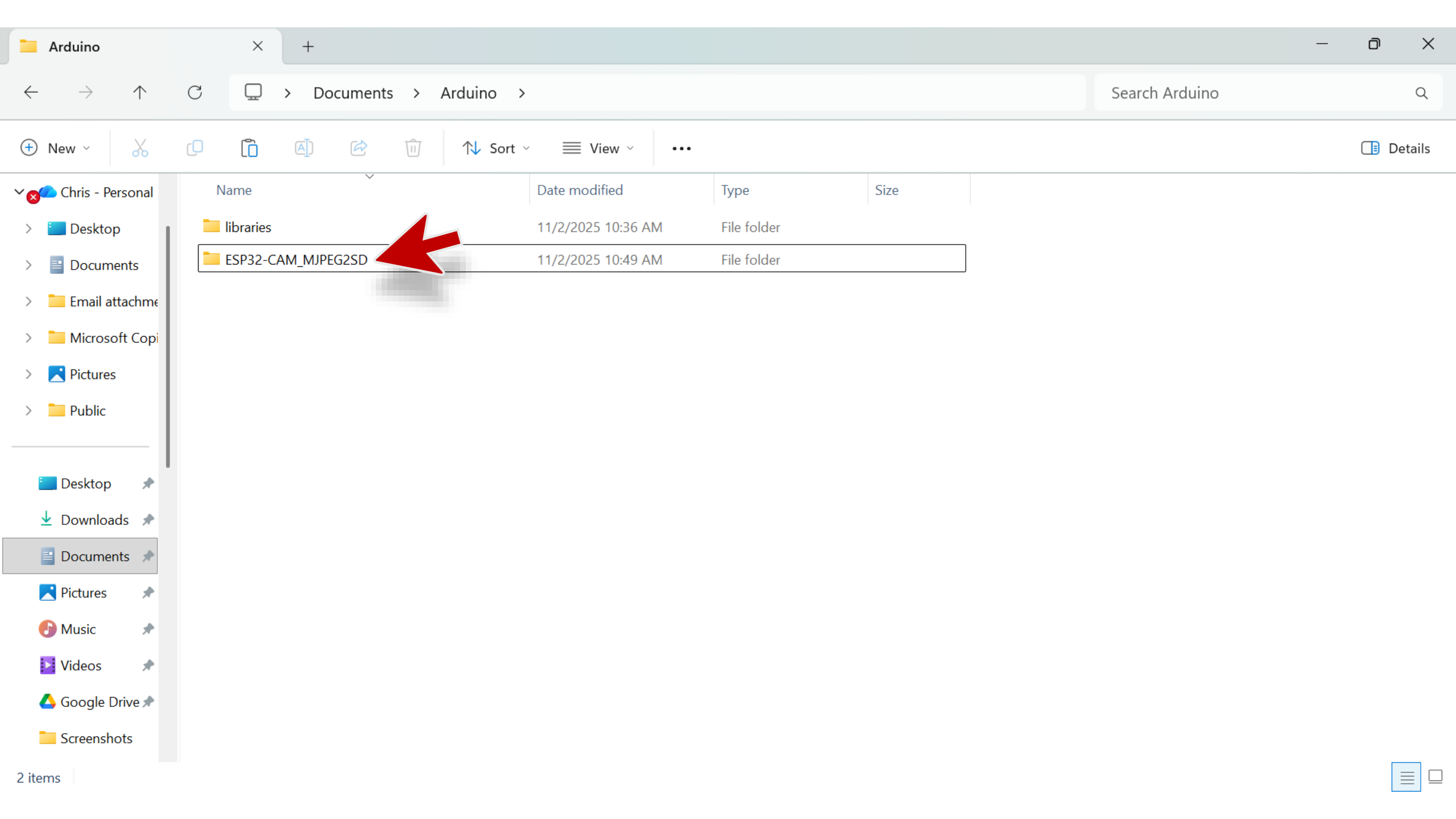




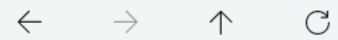


	Name	Date modified	Type	Size	
🏠 Home	📁 libraries	1/2/2025 10:36 AM	File folder		
🖼️ Gallery	📁 ESP32-CAM_MJPEG2SD-master	1/2/2025 10:49 AM	File folder		
Chris - Personal					
> 🖥️ Desktop					
> 📄 Documents					
> 📁 Email attachments					
> 📁 Microsoft Copi					
> 🖼️ Pictures					
> 📁 Public					
🖥️ Desktop 📌					
📄 Downloads 📌					
📄 Documents 📌					
🖼️ Pictures 📌					
🎵 Music 📌					
🎬 Videos 📌					





Arduino



> Documents > Arduino >

Search Arduino



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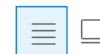
Details

Chris - Personal

- > Desktop
- > Documents
- > Email attachments
- > Microsoft Copilot
- > Pictures
- > Public

- Desktop
- Downloads
- Documents
- Pictures
- Music
- Videos
- Google Drive
- Screenshots

2 items



If you have two “ESP32-...” folders
you have copied the parent folder.

ESP32-CAM_MJPEG2SD

Documents > Arduino > ESP32-CAM_MJPEG2SD >

Search ESP32-CAM_MJPEG2SD

New

Sort

View

Details

Chris - Personal

Desktop

Documents

Email attachments

Microsoft Copi

Pictures

Public

Desktop

Downloads

Documents

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Google Drive

Screenshots

Name	Date modified	Type	Size
data	11/2/2025 10:49 AM	File folder	
extras	11/2/2025 10:49 AM	File folder	
appGlobals.h	11/2/2025 10:50 AM	C Header Source File	21 KB
appSpecific.cpp	11/2/2025 10:49 AM	C++ Source File	39 KB
audio.cpp	11/2/2025 10:40 AM	C++ Source File	16 KB
avi.cpp	11/2/2025 10:40 AM	C++ Source File	10 KB
camera_pins.h	11/2/2025 10:40 AM	C Header Source File	19 KB
certificates.cpp	11/2/2025 10:40 AM	C++ Source File	11 KB
ESP32-CAM_MJPEG2SD.ino	11/2/2025 10:40 AM	INO File	3 KB
externalHeartbeat.cpp	11/2/2025 10:40 AM	C++ Source File	2 KB
ftp.cpp	11/2/2025 10:40 AM	C++ Source File	14 KB
globals.h	11/2/2025 10:40 AM	C Header Source File	16 KB
LICENSE	11/2/2025 10:40 AM	File	34 KB
mcpwm.cpp	11/2/2025 10:40 AM	C++ Source File	16 KB
mjpeg2sd.cpp	11/2/2025 10:40 AM	C++ Source File	38 KB
motionDetect.cpp	11/2/2025 10:40 AM	C++ Source File	17 KB
mqtt.cpp	11/2/2025 10:40 AM	C++ Source File	17 KB

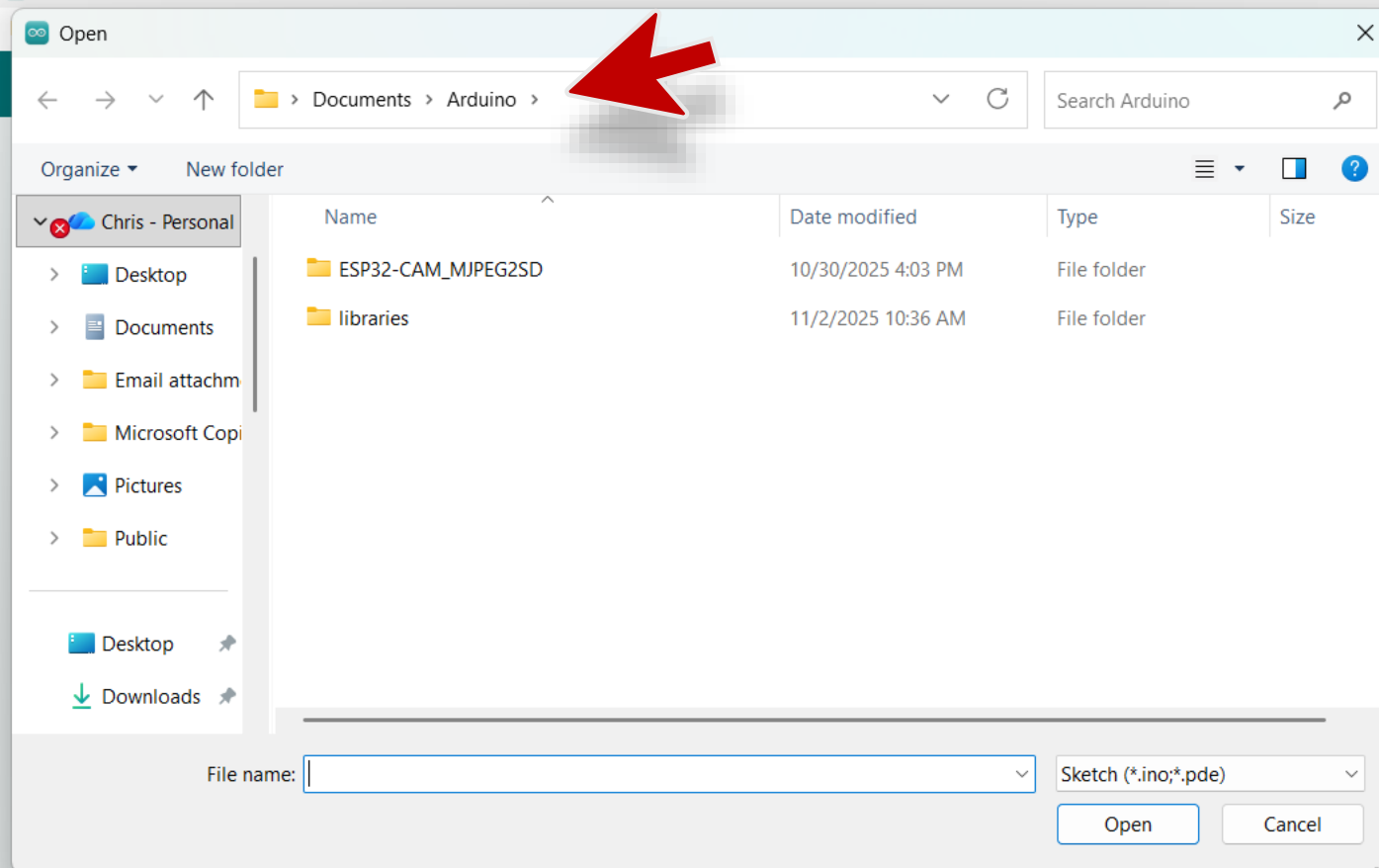
33 items

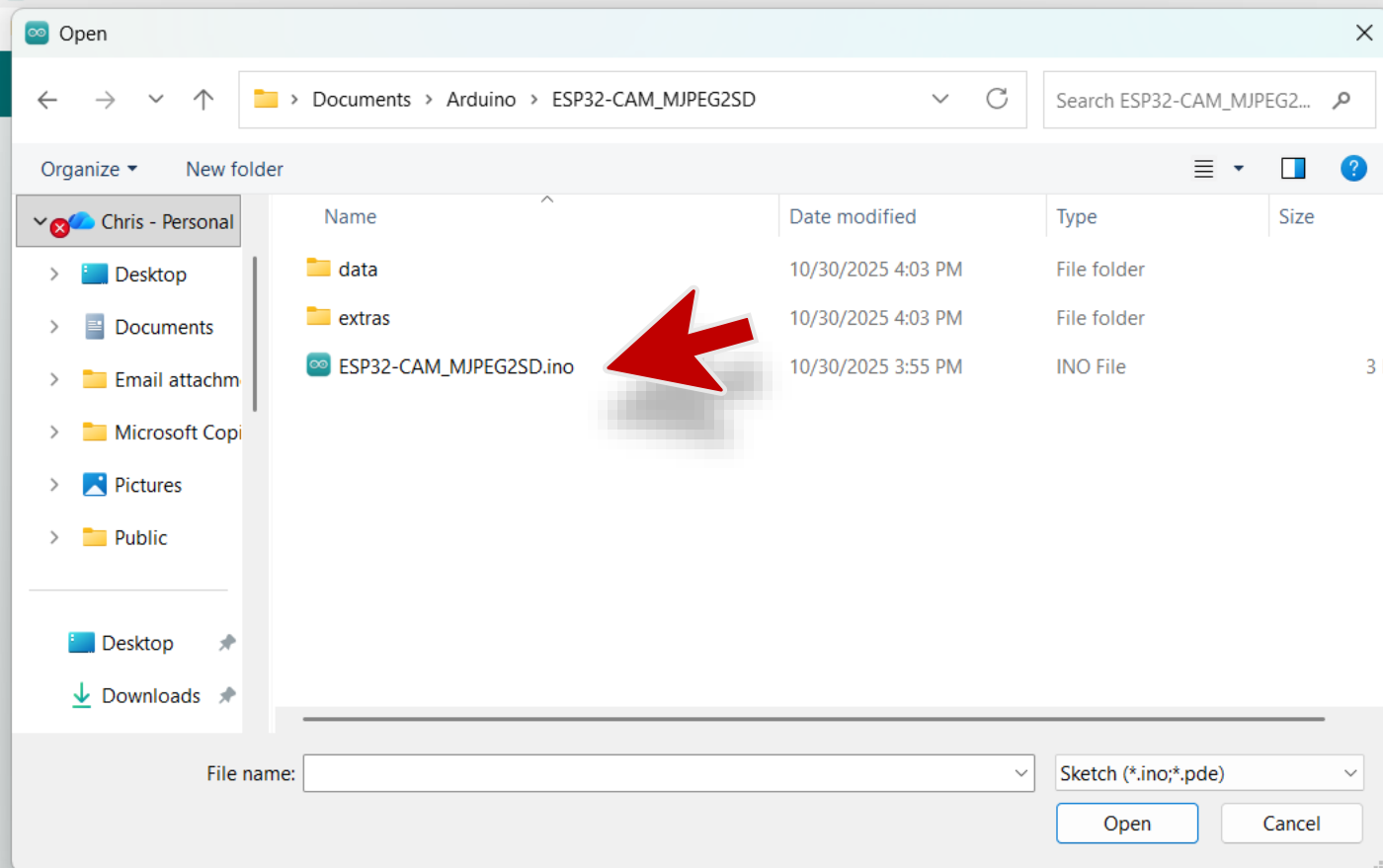
Confirm This File Path!

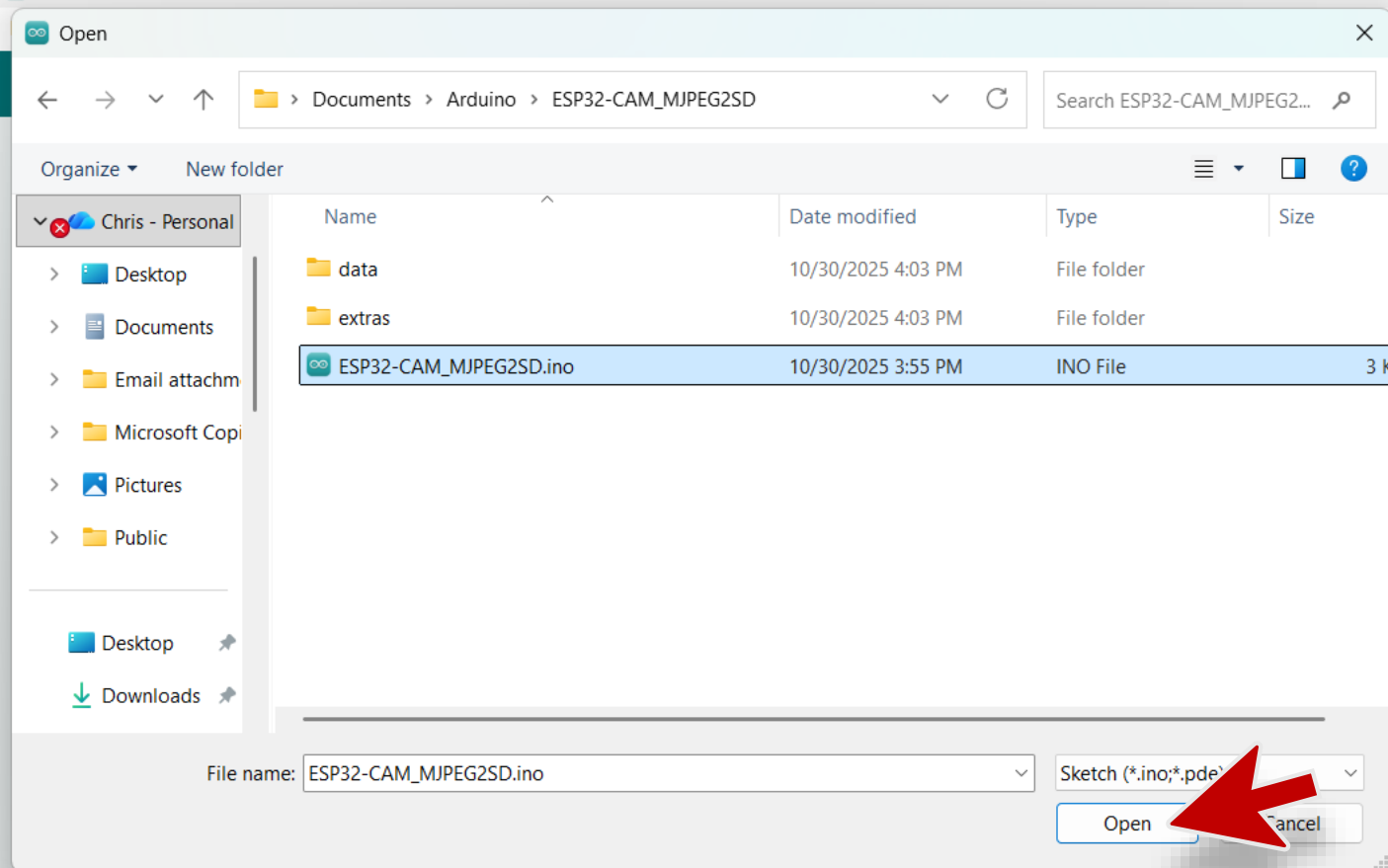
- New Sketch Ctrl+N
- New Cloud Sketch Alt+C
- Open...
- Open Recent >
- Sketchbook >
- Examples >
- Close Ctrl+W
- Save Ctrl+S
- Save As... Ctrl+Shift+S
- Preferences... Ctrl+Comma
- Advanced >
- Quit Ctrl+Q

```
{  
  // setup code here, to run once:
```

```
  
  // main code here, to run repeatedly:
```







```
1 // Global MJPEG2SD declarations
2 //
3 // s0sc 2021, 2022, 2024
4
5 #pragma once
6 #include "globals.h"
7
8 /*****
9  Uncomment one only of the ESP32 or ESP32S3 camera models in the block below
10  Selecting wrong model may crash your device due to pin conflict
11  *****/
12
13 // User's ESP32 cam board
14 #if defined(CONFIG_IDF_TARGET_ESP32)
15 #define CAMERA_MODEL_AI_THINKER
16 //#define CAMERA_MODEL_WROVER_KIT
17 //#define CAMERA_MODEL_ESP_EYE
18 //#define CAMERA_MODEL_M5STACK_PSRAM
19 //#define CAMERA_MODEL_M5STACK_V2_PSRAM
20 //#define CAMERA_MODEL_M5STACK_WIDE
21 //#define CAMERA_MODEL_M5STACK_ESP32CAM
22 //#define CAMERA_MODEL_M5STACK_UNITCAM
23 //#define CAMERA_MODEL_TTGO_T_JOURNAL
24 //#define CAMERA_MODEL_ESP32_CAM_BOARD
25 //#define CAMERA_MODEL_TTGO_T_CAMERA_PLUS
26 //#define CAMERA_MODEL_UICPAL_ESP32
27 //#define AUXILIARY
28
29 // User's ESP32S3 cam board
30 #elif defined(CONFIG_IDF_TARGET_ESP32S3)
31 #define CAMERA_MODEL_ESP32_S3_CAM
32 //#define CAMERA_MODEL_FREENOVE_ESP32S3_CAM
33 //#define CAMERA_MODEL_XIAO_ESP32S3
```

1 // Global MJPEG2SD declarations
2 //
3 // s60sc 2021, 2022, 2024
4
5 #pragma once
6 #include "globals.h"
7
8 /*****
9 Uncomment one only of the ESP32 or ESP32S3 camera models in the block below
10 Selecting wrong model may crash your device due to pin conflict
11 *****/
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13 // User's ESP32 cam board
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15 //define CAMERA_MODEL_AI_THINKER
16 //define CAMERA_MODEL_WROVER_KIT
17 //define CAMERA_MODEL_ESP_EYE
18 //define CAMERA_MODEL_M5STACK_PSRAM
19 //define CAMERA_MODEL_M5STACK_V2_PSRAM
20 //define CAMERA_MODEL_M5STACK_WIDE
21 //define CAMERA_MODEL_M5STACK_ESP32CAM
22 //define CAMERA_MODEL_M5STACK_UNITCAM
23 //define CAMERA_MODEL_TTGO_T_JOURNAL
24 //define CAMERA_MODEL_ESP32_CAM_BOARD
25 //define CAMERA_MODEL_TTGO_T_CAMERA_PLUS
26 //define CAMERA_MODEL_UICPAL_ESP32
27 //define AUXILIARY
28
29 // User's ESP32S3 cam board
30 #elif defined(CONFIG_IDF_TARGET_ESP32S3)
31 #define CAMERA_MODEL_ESP32_S3_CAM
32 //define CAMERA_MODEL_FREENOVE_ESP32S3_CAM
33 //define CAMERA_MODEL_XIAO_ESP32S3

Comment Out Default



NEW SKETCH

Output

SKETCHBOOK
ESP32-CAM_MJPEG2SD

```
ESP32-CAM_MJPEG2SD.ino  README.md  appGlobals.h  appSpecific.cpp  audio.cpp  avi.cpp  camera_pins.h  certificates.cpp  externalHeartbeat.cpp  ftp.cpp  globals.h  mcpwm.cpp  mjpeg2...  
19 // #define CAMERA_MODEL_M5STACK_V2_PSRAM  
20 // #define CAMERA_MODEL_M5STACK_WIDE  
21 // #define CAMERA_MODEL_M5STACK_ESP32CAM  
22 // #define CAMERA_MODEL_M5STACK_UNITCAM  
23 // #define CAMERA_MODEL_TTGO_T_JOURNAL  
24 // #define CAMERA_MODEL_ESP32_CAM_BOARD  
25 // #define CAMERA_MODEL_TTGO_T_CAMERA_PLUS  
26 // #define CAMERA_MODEL_UICPAL_ESP32  
27 // #define AUXILIARY  
28  
29 // User's ESP32S3 cam board  
30 #elif defined(CONFIG_IDF_TARGET_ESP32S3)  
31 #define CAMERA_MODEL_ESP32_S3_CAM  
32 // #define CAMERA_MODEL_FREENOVE_ESP32S3_CAM  
33 // #define CAMERA_MODEL_XIAO_ESP32S3  
34 // #define CAMERA_MODEL_NEW_ESP32S3_RE1_0  
35 // #define CAMERA_MODEL_M5STACK_CAMS3_UNIT  
36 // #define CAMERA_MODEL_ESP32S3_EYE  
37 // #define CAMERA_MODEL_ESP32S3_CAM_LCD  
38 // #define CAMERA_MODEL_DFRobot_FireBeetle2_ESP32S3  
39 // #define CAMERA_MODEL_DFRobot_Romeo_ESP32S3  
40 // #define CAMERA_MODEL_XENOIONEX  
41 // #define CAMERA_MODEL_Waveshare_ESP32_S3_ETH  
42 // #define CAMERA_MODEL_DFRobot_ESP32_S3_AI_CAM  
43 // #define AUXILIARY  
44  
45 // User's ESP32C3 board (auxiliary only)  
46 #elif defined(CONFIG_IDF_TARGET_ESP32C3)  
47 #define AUXILIARY  
48 #define NO_SD  
49 #endif  
50  
51 #if !defined(CONFIG_IDF_TARGET_ESP32S3) && !defined(CONFIG_IDF_TARGET_ESP32) && !defined(AUXILIARY)
```

Output

NEW SKETCH

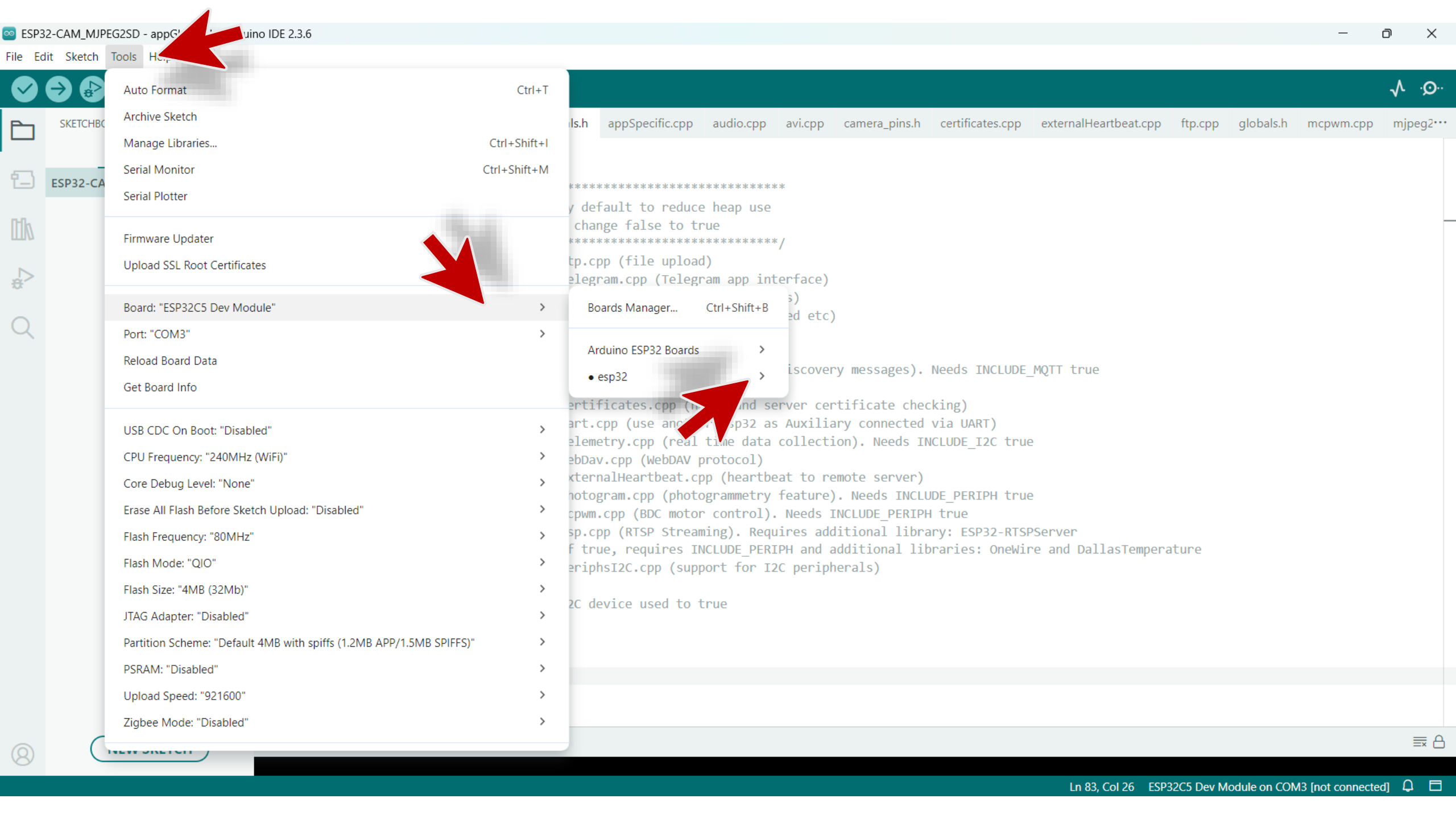
```
19 // #define CAMERA_MODEL_M5STACK_V2_PSRAM
20 // #define CAMERA_MODEL_M5STACK_WIDE
21 // #define CAMERA_MODEL_M5STACK_ESP32CAM
22 // #define CAMERA_MODEL_M5STACK_UNITCAM
23 // #define CAMERA_MODEL_TTGO_T_JOURNAL
24 // #define CAMERA_MODEL_ESP32_CAM_BOARD
25 // #define CAMERA_MODEL_TTGO_T_CAMERA_PLUS
26 // #define CAMERA_MODEL_UICPAL_ESP32
27 // #define AUXILIARY

// User's ESP32S3 cam board
28 #elif defined(CONFIG_IDF_TARGET_ESP32S3)
29 // #define CAMERA_MODEL_ESP32_S3_CAM
30 // #define CAMERA_MODEL_FREENOVE_ESP32S3_CAM
31 // #define CAMERA_MODEL_XIAO_ESP32S3
32 // #define CAMERA_MODEL_NEW_ESP32S3_RE1_0
33 // #define CAMERA_MODEL_M5STACK_CAMS3_UNIT
34 // #define CAMERA_MODEL_ESP32S3_EYE
35 // #define CAMERA_MODEL_ESP32S3_CAM_LCD
36 // #define CAMERA_MODEL_DFRobot_FireBeetle2_ESP32S3
37 // #define CAMERA_MODEL_DFRobot_Romeo_ESP32S3
38 // #define CAMERA_MODEL_XENONEX
39 // #define CAMERA_MODEL_Waveshare_ESP32_S3_ETH
40 // #define CAMERA_MODEL_DFRobot_ESP32_S3_AI_CAM
41 // #define AUXILIARY
42
43 // User's ESP32C3 board (auxiliary only)
44 #elif defined(CONFIG_IDF_TARGET_ESP32C3)
45 // #define AUXILIARY
46 // #define NO_SD
47 // #endif
48
49 #if !defined(CONFIG_IDF_TARGET_ESP32S3) && !defined(CONFIG_IDF_TARGET_ESP32) && !defined(AUXILIARY)
```

Comment Out Default Uncomment XIAO

NEW SKETCH

Output





SKETCHBOOK



ESP32-CAM

Auto Format Ctrl+T

Archive Sketch

Manage Libraries... Ctrl+Shift+LSerial Monitor Ctrl+Shift+M

Serial Plotter

Firmware Updater

Upload SSL Root Certificates

Board: "ESP32C5 Dev Module" >

Port: "COM3" >

Reload Board Data

Get Board Info

USB CDC On Boot: "Disabled" >

CPU Frequency: "240MHz (WiFi)" >

Core Debug Level: "None" >

Erase All Flash Before Sketch Upload: "Disabled" >

Flash Frequency: "80MHz" >

Flash Mode: "QIO" >

Flash Size: "4MB (32Mb)" >

JTAG Adapter: "Disabled" >

Partition Scheme: "Default 4MB with spiffs (1.2MB APP/1.5MB SPIFFS)" >

PSRAM: "Disabled" >

Upload Speed: "921600" >

Zigbee Mode: "Disabled" >

Boards Manager... Ctrl+Shift+B

Arduino ESP32 Boards >

• esp32 >

Deneyap Kart 1A

Deneyap Kart 1A v2

Deneyap Mini

Deneyap Mini v2

Deneyap Kart G

Trueverit ESP32 Universal IoT Driver

Trueverit ESP32 Universal IoT Driver MK II

ATMegaZero ESP32-S2

Franzininho WiFi

Franzininho WiFi MSC

TAMC Termod S3

DPU ESP32

Sonoff DUALR3

Lion:Bit Dev Board

Watchy

AirM2M_CORE_ESP32C3

XIAO_ESP32C3

XIAO_ESP32C5

XIAO_ESP32C6

XIAO_ESP32S3

XIAO_ESP32S3_PLUS

Connaxio's Espoir

CNRS AW2ETH

Department of Alchemy MiniMain ESP32-S2

Bee Data Logger

Bee Motion S3

Bee Motion



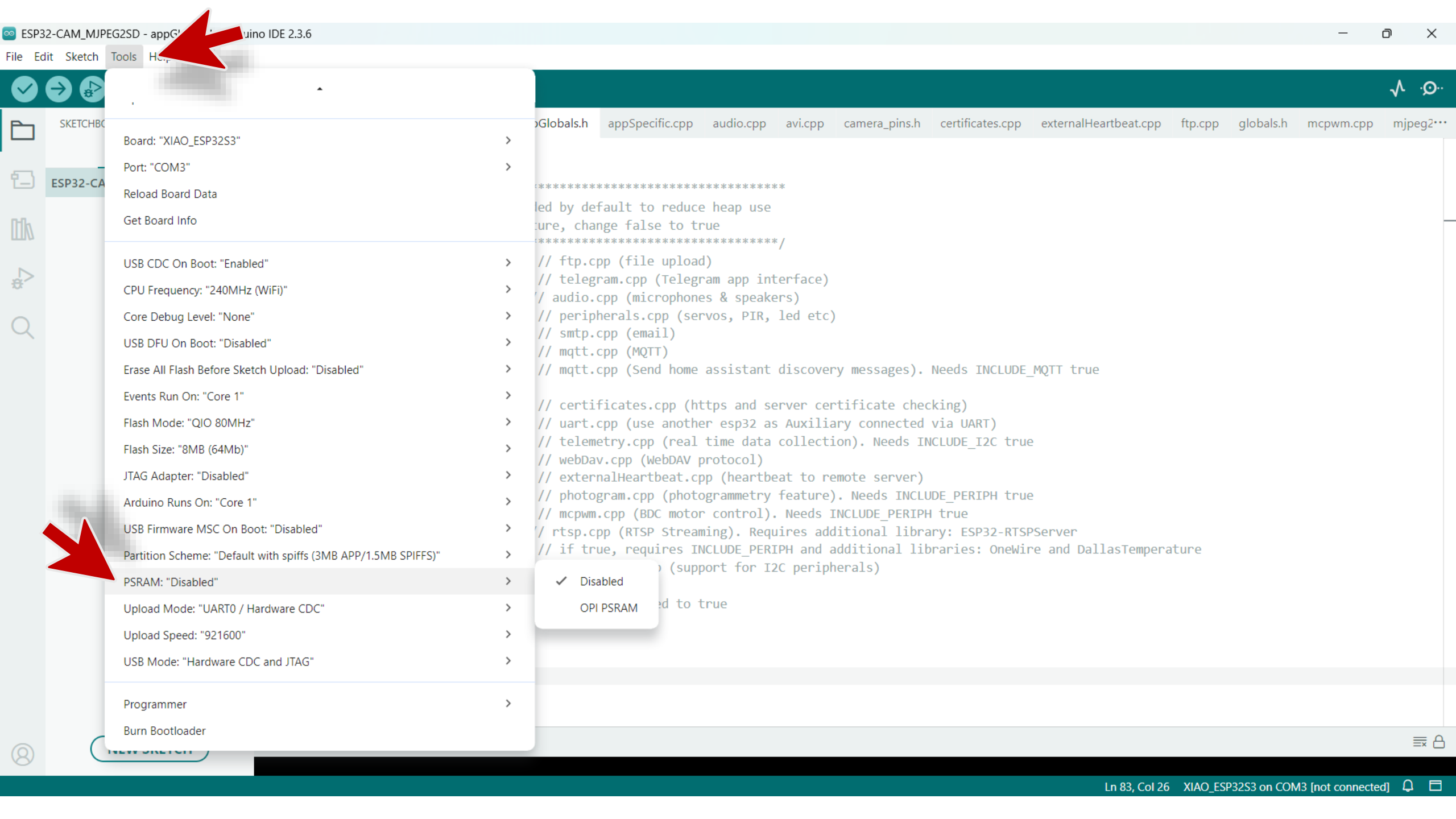
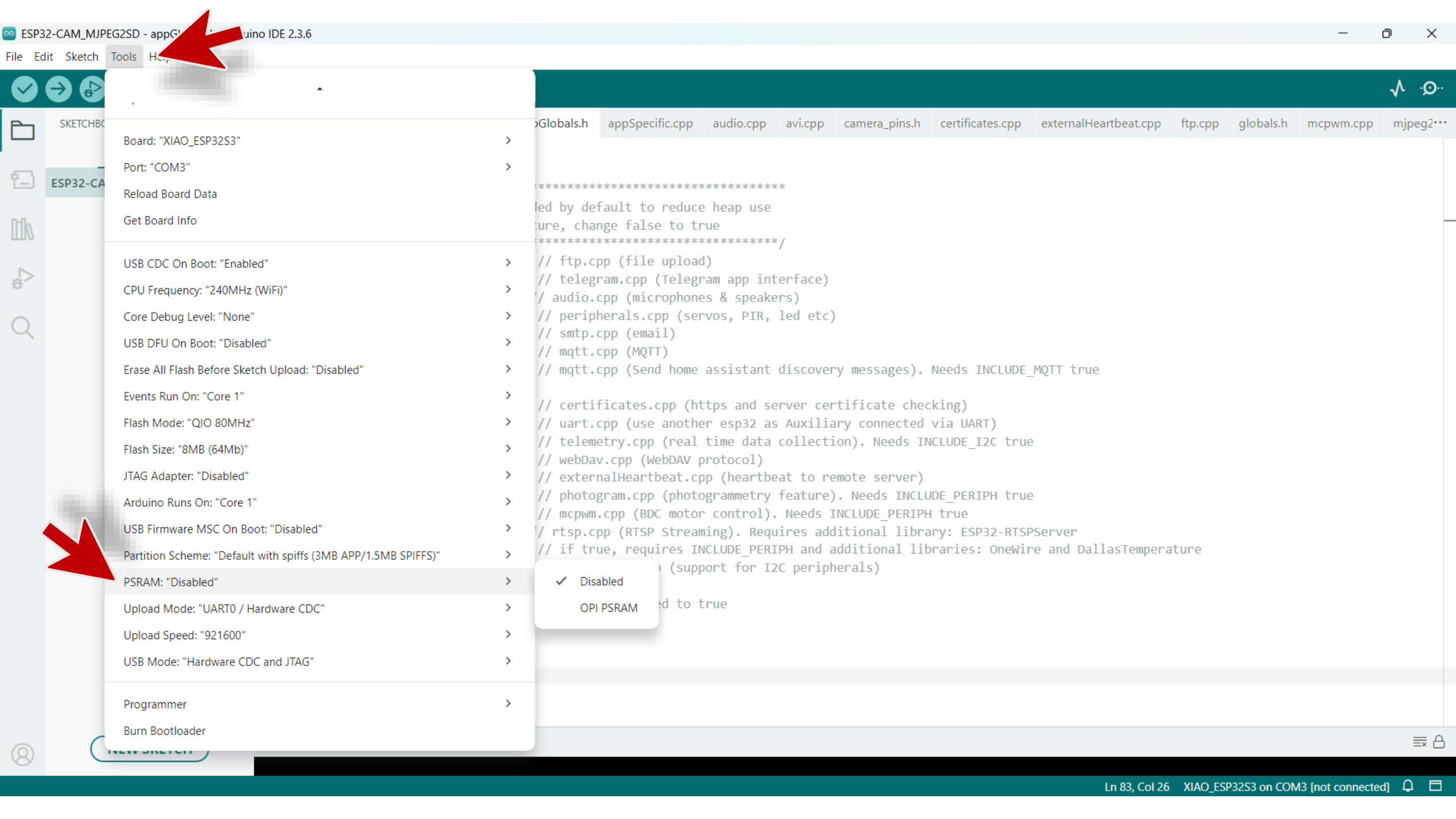
heartbeat.cpp ftp.cpp globals.h mcpwm.cpp mjpeg2...

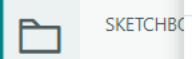
llasTemperature

54
55
56 /*****
57 Optional features NOT included by default to reduce heap use
58 To include a particular feature, change false to true
59 *****/
60 #define INCLUDE_FTP_HFS false // ftp.cpp (file upload)
61 #define INCLUDE_TGRAM false // telegram.cpp (Telegram app interface)
62 #define INCLUDE_AUDIO true // audio.cpp (microphones & speakers)
63 #define INCLUDE_PERIPH false // peripherals.cpp (servos, PIR, led etc)
64 #define INCLUDE_SMTP false // smtp.cpp (email)
65 #define INCLUDE_MQTT false // mqtt.cpp (MQTT)
66 #define INCLUDE_HASIO false // mqtt.cpp (Send home assistant discovery messages). Needs INCLUDE_MQTT true
67
68 #define INCLUDE_CERTS false // certificates.cpp (https and server certificate checking)
69 #define INCLUDE_UART false // uart.cpp (use another esp32 as Auxiliary connected via UART)
70 #define INCLUDE_TELEM false // telemetry.cpp (real time data collection). Needs INCLUDE_I2C true
71 #define INCLUDE_WEBDAV false // webDav.cpp (WebDAV protocol)
72 #define INCLUDE_EXTHB false // externalHeartbeat.cpp (heartbeat to remote server)
73 #define INCLUDE_PGRAM false // photogram.cpp (photogrammetry feature). Needs INCLUDE_PERIPH true
74 #define INCLUDE_MCPWM false // mcpwm.cpp (BDC motor control). Needs INCLUDE_PERIPH true
75 #define INCLUDE_RTSP true // rtsp.cpp (RTSP Streaming). Requires additional library: ESP32-RTSPServer
76 #define INCLUDE_DS18B20 false // if true, requires INCLUDE_PERIPH and additional libraries: OneWire and DallasTemperature
77 #define INCLUDE_I2C false // periphsI2C.cpp (support for I2C peripherals)
78
79 // if INCLUDE_I2C true, set each I2C device used to true
80 #define USE_SSD1306 false
81 #define USE_BMx280 false
82 #define USE_MPU6050 false
83 #define USE_MPU9250 false
84 #define USE_DS3231 false
85 #define USE_LCD1602 false

NEW SKETCH

Output





SKETCHBOOK

ESP32-CAM

- Board: "XIAO_ESP32S3" >
- Port: "COM3" >
- Reload Board Data
- Get Board Info
- USB CDC On Boot: "Enabled" >
- CPU Frequency: "240MHz (WiFi)" >
- Core Debug Level: "None" >
- USB DFU On Boot: "Disabled" >
- Erase All Flash Before Sketch Upload: "Disabled" >
- Events Run On: "Core 1" >
- Flash Mode: "QIO 80MHz" >
- Flash Size: "8MB (64Mb)" >
- JTAG Adapter: "Disabled" >
- Arduino Runs On: "Core 1" >
- USB Firmware MSC On Boot: "Disabled" >
- Partition Scheme: "Default with spiiffs (3MB APP/1.5MB SPIFFS)" >
- PSRAM: "OPI PSRAM" >
- Upload Mode: "UART0 / Hardware CDC" >
- Upload Speed: "921600" >
- USB Mode: "Hardware CDC and JTAG" >
- Programmer >
- Burn Bootloader

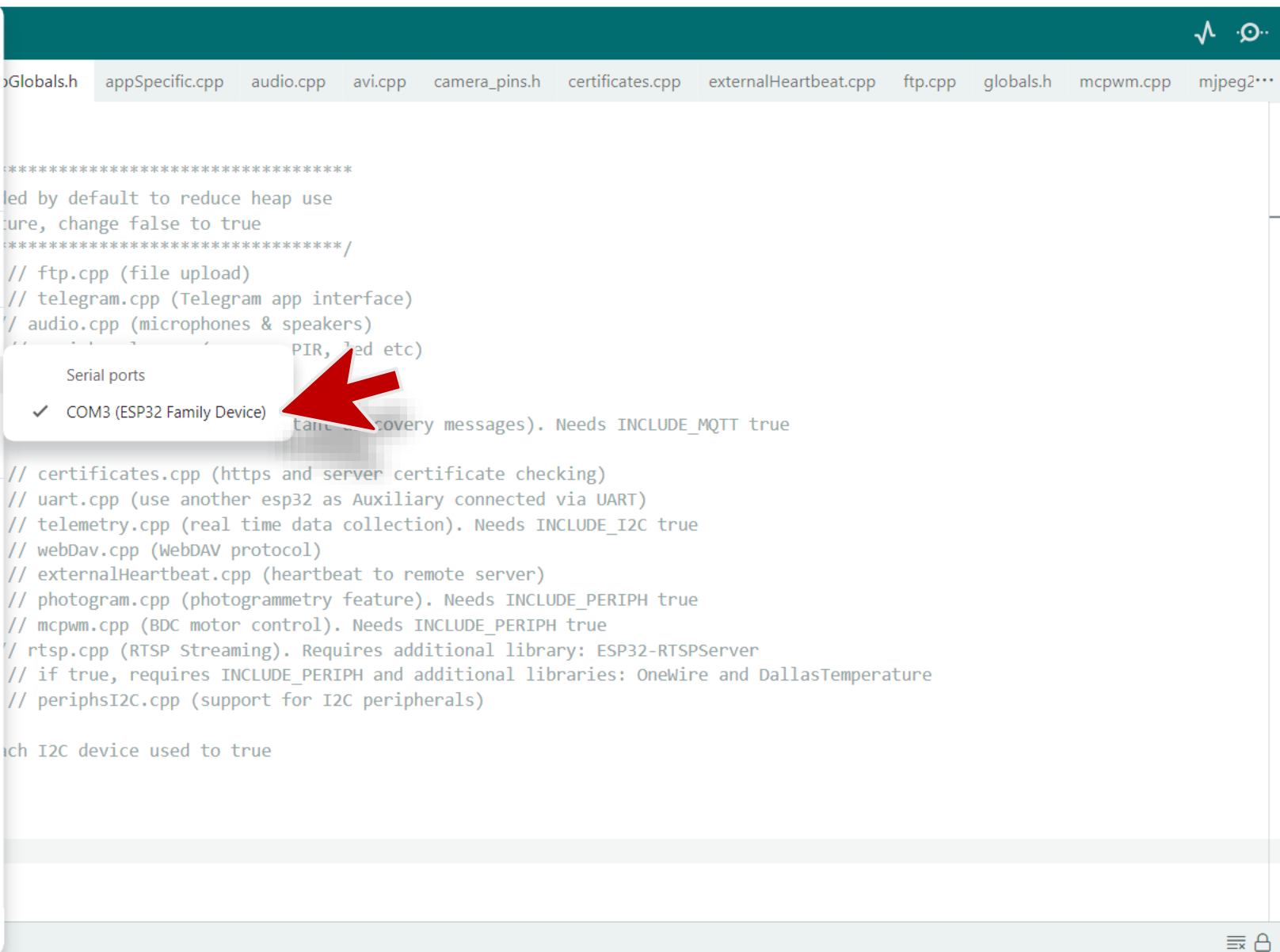
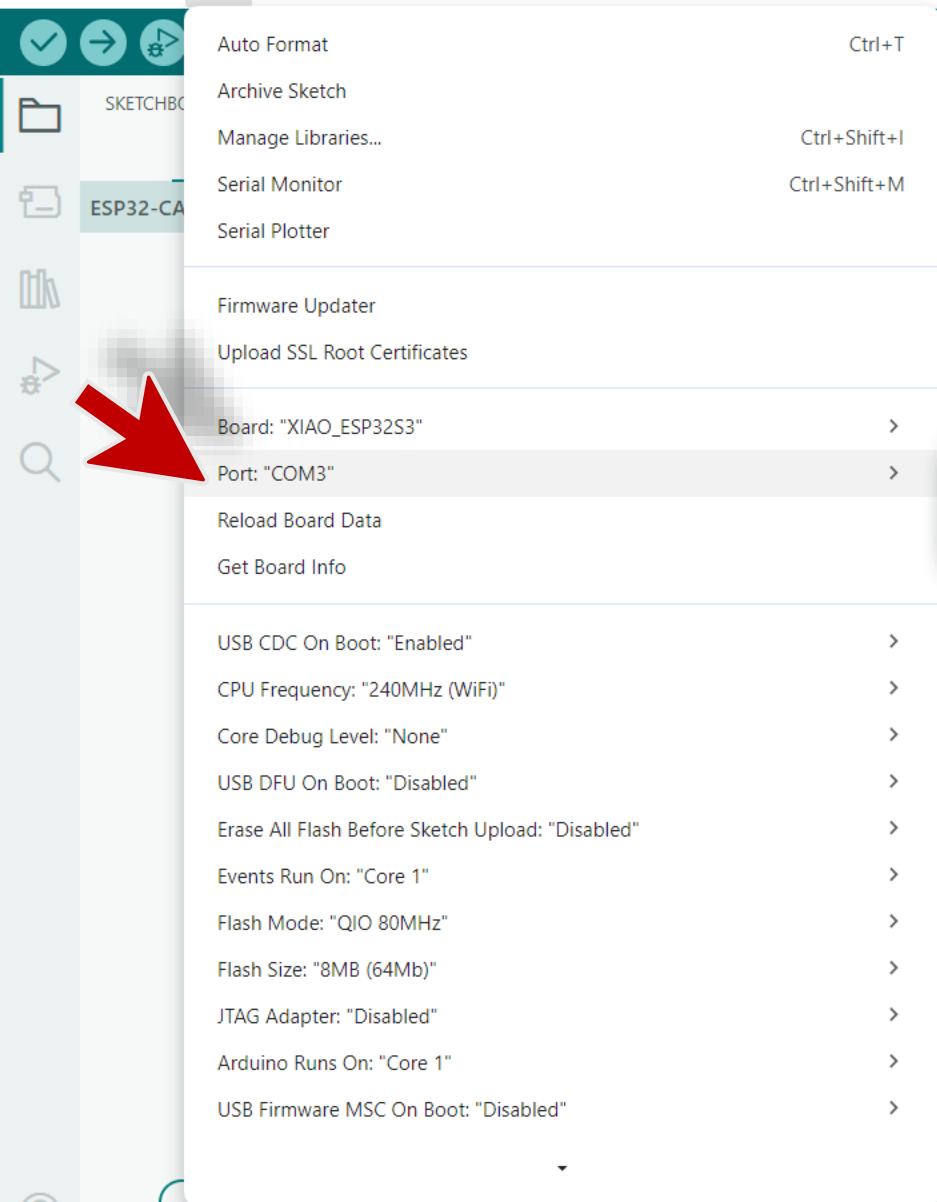
appGlobals.h appSpecific.cpp audio.cpp avi.cpp camera_pins.h certificates.cpp externalHeartbeat.cpp ftp.cpp globals.h mcpwm.cpp mjpeg2...

```
*****  
led by default to reduce heap use  
ture, change false to true  
*****/  
// ftp.cpp (file upload)  
// telegram.cpp (Telegram app interface)  
// audio.cpp (microphones & speakers)  
// peripherals.cpp (servos, PIR, led etc)  
// smtp.cpp (email)  
// mqtt.cpp (MQTT)  
// mqtt.cpp (Send home assistant discovery messages). Needs INCLUDE_MQTT true  
  
// certificates.cpp (https and server certificate checking)  
// uart.cpp (use another esp32 as Auxiliary connected via UART)  
// telemetry.cpp (real time data collection). Needs INCLUDE_I2C true  
// webDav.cpp (WebDAV protocol)  
// externalHeartbeat.cpp (heartbeat to remote server)  
// photogram.cpp (photogrammetry feature). Needs INCLUDE_PERIPH true  
// mcpwm.cpp (BDC motor control). Needs INCLUDE_PERIPH true  
// rtsp.cpp (RTSP Streaming). Requires additional library: ESP32-RTSPServer  
// if true, requires INCLUDE_PERIPH and additional libraries: OneWire and DallasTemperature  
(support for I2C peripherals)
```

Disabled

✓ OPI PSRAM

true



```
54
55
56 /*****
57  Optional features NOT included by default to reduce heap use
58  To include a particular feature, change false to true
59  *****/
60 #define INCLUDE_FTP_HFS false // ftp.cpp (file upload)
61 #define INCLUDE_TGRAM false // telegram.cpp (Telegram app interface)
62 #define INCLUDE_AUDIO true // audio.cpp (microphones & speakers)
63 #define INCLUDE_PERIPH false // peripherals.cpp (servos, PIR, led etc)
64 #define INCLUDE_SMTP false // smtp.cpp (email)
65 #define INCLUDE_MQTT false // mqtt.cpp (MQTT)
66 #define INCLUDE_HASIO false // mqtt.cpp (Send home assistant discovery messages). Needs INCLUDE_MQTT true
67
68 #define INCLUDE_CERTS false // certificates.cpp (https and server certificate checking)
69 #define INCLUDE_UART false // uart.cpp (use another esp32 as Auxiliary connected via UART)
70 #define INCLUDE_TELEM false // telemetry.cpp (real time data collection). Needs INCLUDE_I2C true
71 #define INCLUDE_WEBDAV false // webDav.cpp (WebDAV protocol)
72 #define INCLUDE_EXTHB false // externalHeartbeat.cpp (heartbeat to remote server)
73 #define INCLUDE_PGRAM false // photogram.cpp (photogrammetry feature). Needs INCLUDE_PERIPH true
74 #define INCLUDE_MCPWM false // mcpwm.cpp (BDC motor control). Needs INCLUDE_PERIPH true
75 #define INCLUDE_RTSP true // rtsp.cpp (RTSP Streaming). Requires additional library: ESP32-RTSPServer
76 #define INCLUDE_DS18B20 false // if true, requires INCLUDE_PERIPH and additional libraries: OneWire and DallasTemperature
77 #define INCLUDE_I2C false // periphsI2C.cpp (support for I2C peripherals)
78
79 // if INCLUDE_I2C true, set each I2C device used to true
80 #define USE_SSD1306 false
81 #define USE_BMx280 false
82 #define USE_MPU6050 false
83 #define USE_MPU9250 false
84 #define USE_DS3231 false
85 #define USE_LCD1602 false
```

Compiling sketch...

CANCEL

Output

NEW SKETCH

XIAO_ESP32S3

SKETCHBOOK

ESP32-CAM_MJPEG2SD

ESP32-CAM_MJPEG2SD.ino

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appGlobals.h

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globals.h

mcpwm.cpp

mjpeg2...

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Output

```
Sketch uses 1761899 bytes (52%) of program storage space. Maximum is 3342336 bytes.
Global variables use 97468 bytes (29%) of dynamic memory, leaving 230212 bytes for local variables. Maximum is 327680 bytes.
esptool v5.1.0
Serial port COM3:
Connecting...
Connected to ESP32-S3 on COM3:
Chip type:          ESP32-S3 (QFN56) (revision v0.2)
Features:           Wi-Fi, BT 5 (LE), Dual Core + LP Core, 240MHz, Embedded PSRAM 8MB (AP_3v3)
Crystal frequency:  40MHz
USB mode:           USB-Serial/JTAG
MAC:                8c:bf:ea:8f:35:cc

Uploading stub flasher...
Running stub flasher...
Stub flasher running.
Changing baud rate to 921600...
Changed.

Configuring flash size...
Flash will be erased from 0x00000000 to 0x00004fff...
Flash will be erased from 0x00008000 to 0x00008fff...
Flash will be erased from 0x0000e000 to 0x0000ffff...
Flash will be erased from 0x00010000 to 0x0001befff...
Compressed 20224 bytes to 13061...

Writing at 0x00000000 [          ]  0.0% 0/13061 bytes...

Writing at 0x00004f00 [=====] 100.0% 13061/13061 bytes...
Wrote 20224 bytes (13061 compressed) at 0x00000000 in 0.3 seconds (532.9 kbit/s).
Hash of data verified.
Compressed 3072 bytes to 146...

Writing at 0x00008000 [          ]  0.0% 0/146 bytes...
```

NEW SKETCH

XIAO_ESP32S3

SKETCHBOOK

ESP32-CAM_MJPEG2SD.ino

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ESP32-CAM_MJPEG2SD

Output

```
Writing at 0x0016fc42 [=====> ] 81.0% 851968/1052351 bytes...
Writing at 0x00175f7c [=====> ] 82.5% 868352/1052351 bytes...
Writing at 0x0017b518 [=====> ] 84.1% 884736/1052351 bytes...
Writing at 0x00180ebd [=====> ] 85.6% 901120/1052351 bytes...
Writing at 0x00188fda [=====> ] 87.2% 917504/1052351 bytes...
Writing at 0x00192293 [=====> ] 88.7% 933888/1052351 bytes...
Writing at 0x001998e3 [=====> ] 90.3% 950272/1052351 bytes...
Writing at 0x0019e8be [=====> ] 91.9% 966656/1052351 bytes...
Writing at 0x001a43b4 [=====> ] 93.4% 983040/1052351 bytes...
Writing at 0x001ab0fe [=====> ] 95.0% 999424/1052351 bytes...
Writing at 0x001b0dd7 [=====> ] 96.5% 1015808/1052351 bytes...
Writing at 0x001b67c0 [=====> ] 98.1% 1032192/1052351 bytes...
Writing at 0x001bc97d [=====> ] 99.6% 1048576/1052351 bytes...
Writing at 0x001be360 [=====] 100.0% 1052351/1052351 bytes...
Wrote 1762144 bytes (1052351 compressed) at 0x00010000 in 11.5 seconds (1221.2 kbit/s).
Hash of data verified.
```

Hard resetting via RTS pin...

NEW SKETCH

XIAO_ESP32S3

SKETCHBOOK

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Wrote 1762144 bytes (1052351 compressed) at 0x00010000 in 11.5 seconds (1221.2 kbit/s).
Hash of data verified.
```

Hard resetting via RTS pin...

NEW SKETCH

Wi-Fi

Wizzard Fi
Connected, secured

Disconnect



Wizzard Fi IoT



ESP-CAM_MJPEG_CC358FEABF8C



DIRECTV_WVB_0B4F2F6C



More Wi-Fi settings



XIAO_ESP32S3

SKETCHBOOK

ESP32-CAM_MJPEG2SD.ino

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ESP32-CAM_MJPEG2SD


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Writing at 0x001be360 [=====] 100.0% 1052351/1052351 bytes...
Wrote 1762144 bytes (1052351 compressed) at 0x00010000 in 11.5 seconds (1221.2 kbit/s).
Hash of data verified.
```

Hard resetting via RTS pin...

NEW SKETCH



Wi-Fi

ESP-CAM_MJPEG_CC358FEABF8C

Connected, open

Disconnect

Wizzard Fi

Wizzard Fi IoT

DIRECT-0e-HP M130f LaserJet

DIRECT-0e-HP M130f LaserJet

More Wi-Fi settings

Connection lost. Click here to reconnect.

Connect To ESP32 Server

<http://192.168.4.1>