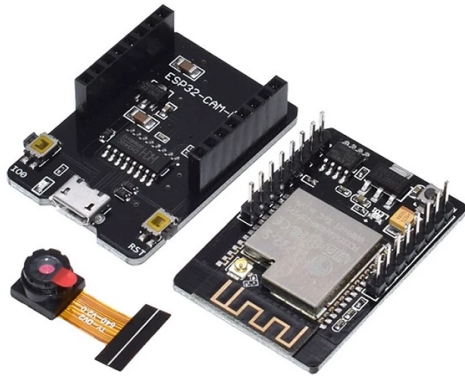


# Flashing on a mac with Arduino IDE

- you need the bottom part (micro usb programmer) and a micro usb cable:



- Install ESP32 board in Arduino like so:  
<https://randomnerdtutorials.com/installing-the-esp32-board-in-arduino-ide-windows-instructions/>
- when installed: select ESP32 Boards → **AI-Thinker ESP32-CAM**
- select correct port
- click upload

sometimes this works out of the box. If not:

- before Arduino starts uploading: press *IO0* button & keep it pressed → press *reset* button → release both. The light flashes and it should go to flashing mode
- when Arduino starts uploading ("uploading ....") it should find the device immediately

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