

Timer Camera - UIFlow MediaTrans

Feature Introduction

Use TimerCAM to implement low-power timing wake-up photography functions, which rely on Wi-Fi connection. The captured images will automatically be uploaded to the M5 cloud, and a unique token will generate a fixed HTTP interface. Other devices can access this interface to obtain the latest frame image and the current battery voltage status of the device.

Driver Installation

Baud Rate Limit

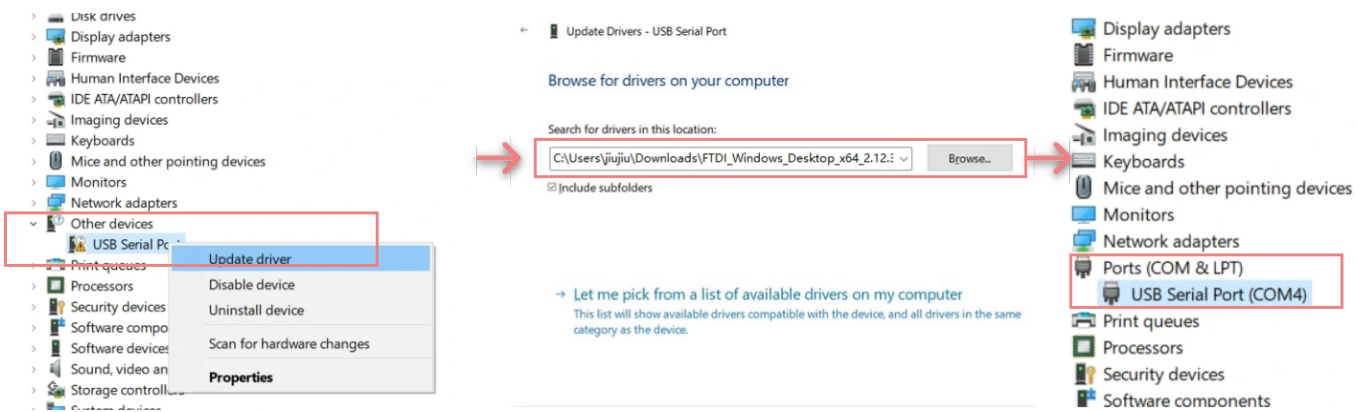
When performing the device program download operation, it is recommended to select the following serial port baud rate options. If other speeds are used, it may result in the program being unable to be downloaded properly.

1500000 bps / 750000 bps / 500000 bps / 250000 bps / 115200 bps

1. Select the driver file that matches your operating system from the list below, download it, and extract it. You can also visit the [FTDI Chip official website](#) for additional FTDI driver versions.

Driver Name	Download Link
Windows_Desktop_x64	Download
Windows_Desktop_x86_32	Download
Windows_Desktop_ARM	Download
MacOS_Intel	Download
MacOS_ARM64	Download

2. Connect the device to your PC, open Device Manager, and install the FTDI driver (the screenshot below uses Windows 10 as an example). (Note: On some systems, you may need to install the driver twice for it to take effect. The unrecognized device is usually named `M5Stack` or `USB Serial`.)



For MacOS users, before installation, please check `System Preferences` -> `Security & Privacy` -> `General` -> `Allow apps downloaded from:` -> `App Store and identified developers` option.

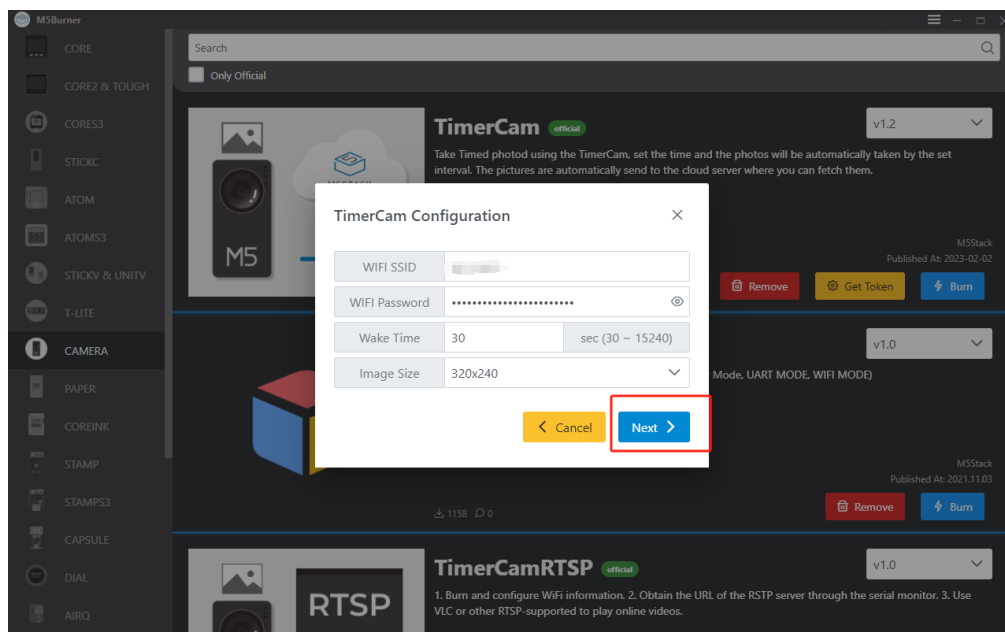
Download the Firmware Burning Tool

Please download the M5Burner firmware burning tool according to your operating system. Unzip and open the application.

Software Version	Download Link
M5Burner_Windows	Download
M5Burner_MacOS	Download
M5Burner_Linux	Download

Firmware Burning

Open M5Burner -> Connect the device to the computer -> Select the corresponding port -> Switch to the TimerCam option -> Choose the appropriate version and click download -> Configure the appropriate parameters -> Click [Burn](#) to start burning -> Wait for the [successful](#) popup window to indicate that the burning is complete.

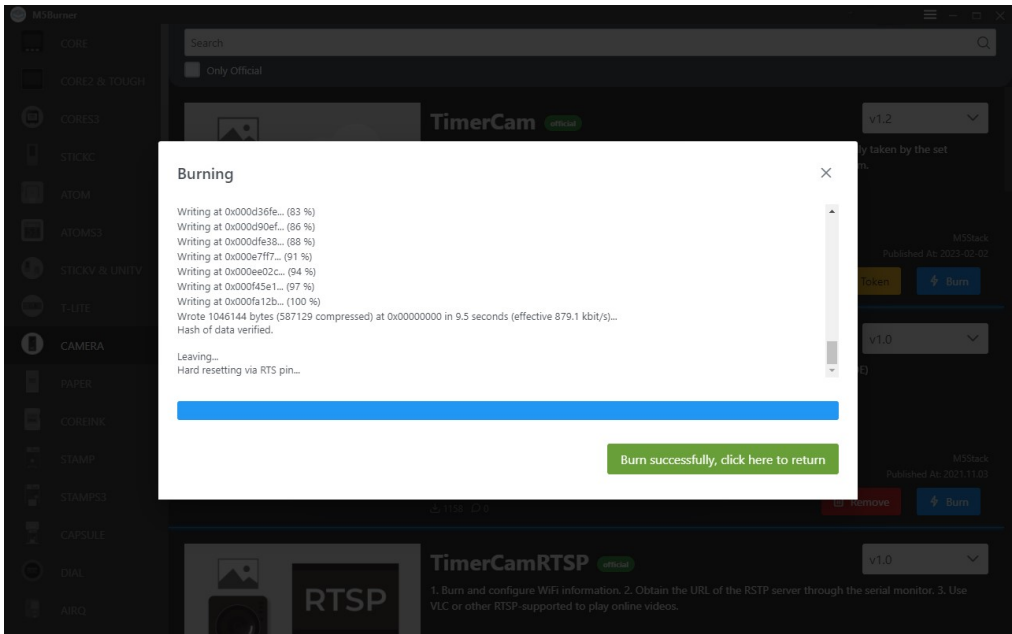
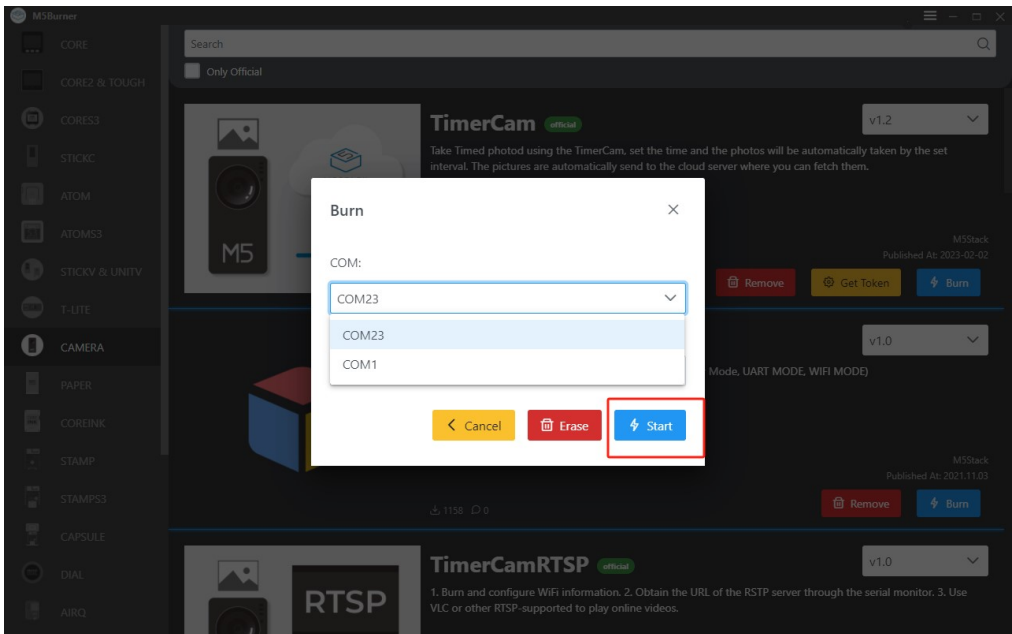
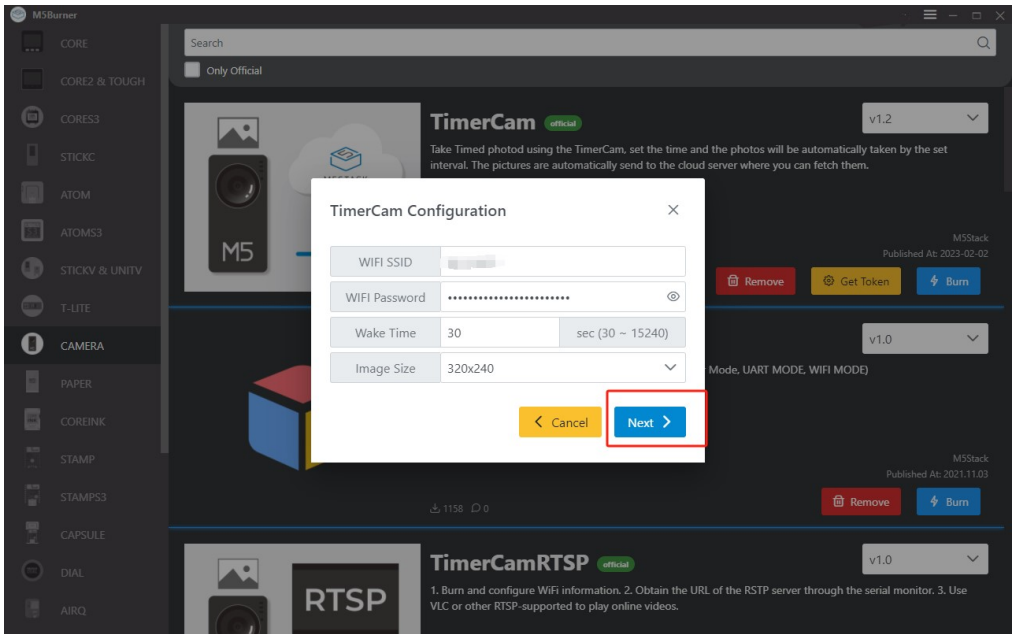


WIFI SSID : WIFI name, be careful not to include special characters

WIFI PASSWORD : WIFI password (Note: WIFI password is a required field and cannot be empty. It is recommended to use a WIFI hotspot with a password)

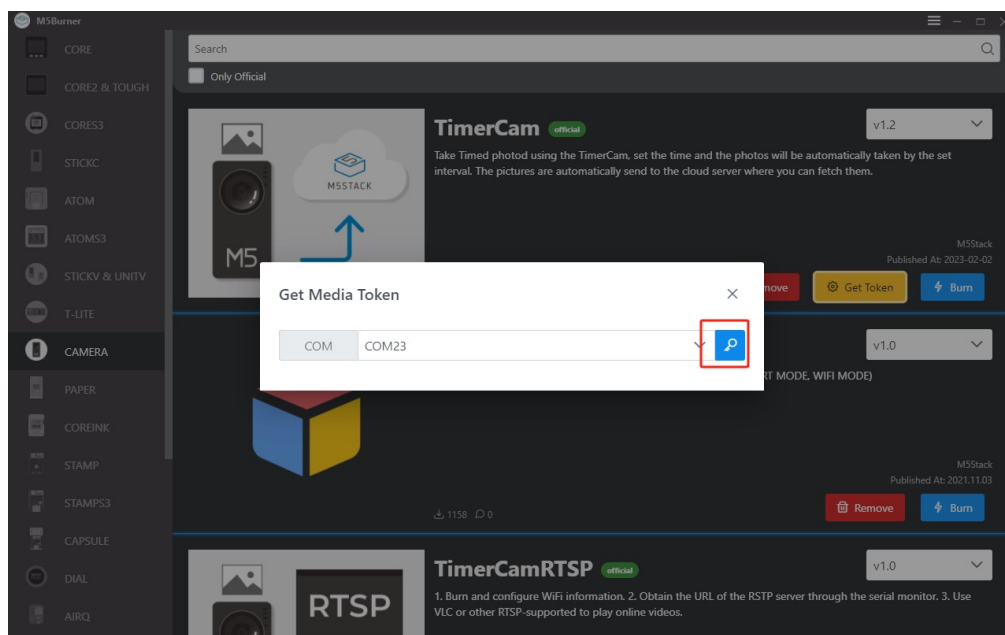
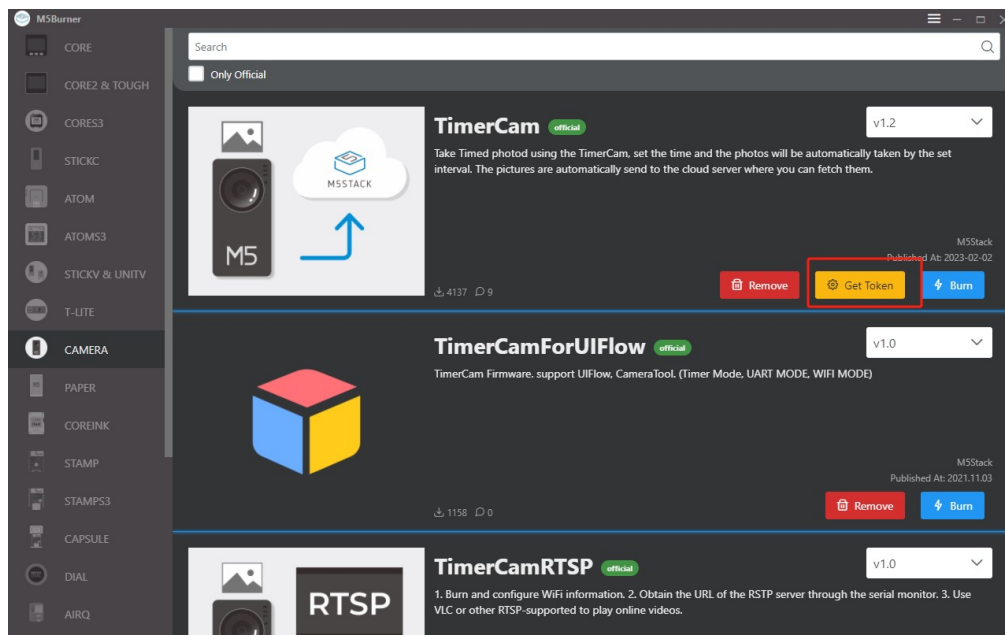
Image Size : Image size

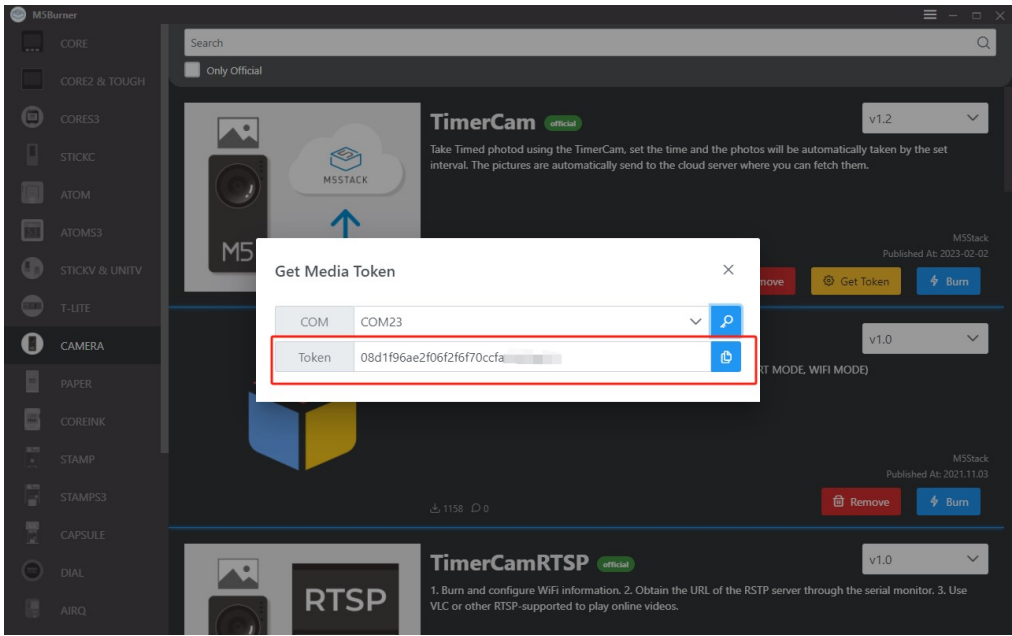
Wake Time : Image sending interval, it is recommended to set the interval to more than 30s.



TOKEN Acquisition

Click **Get Token** to obtain -> Wait for the **Token** popup, the displayed string is the Token. It can also be obtained by scanning the QR code or directly opening it in the browser.





HTTP Interface

The request method is `GET`, and it returns JPG image data. The device voltage value will be included in the `Voltage` field of the HTTP Response Headers.

```
#GET
#http://api.m5stack.com:5003/timer-cam/image?tok=token

http://api.m5stack.com:5003/timer-cam/image?tok=8caab58179bc02d5435c653acbe03966
```

UIFlow Programming

- Use the MediaTrans feature in UIFlow to obtain TimerCAM images and display