

# Firmware Upgrade Guidance for DS500

**Reason to upgrade:** We fixed some issues that may have some impact on battery life.

## Steps of upgrade process:

### STEP 1

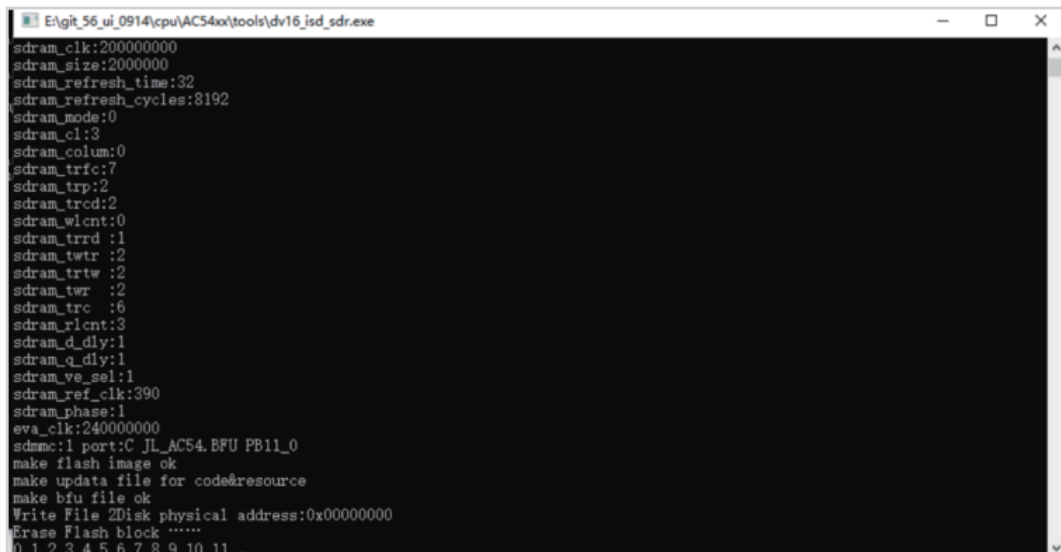
Log in "[www.depstech.com](http://www.depstech.com)" - find "**Video Endoscope**" - find "**DS500**" - download the "**DEPS-V1.1.12**" firmware update package to the local, and unzip the firmware update package.

### STEP 2

Connect the DS500 endoscope to the PC/laptop with the Type-C data cable included in the package, and the machine will automatically enter the "**TF card reader mode**".

### STEP 3

Run "**Update.bat**" in the decompressed firmware package, the interface is as follows:

A screenshot of a Windows command prompt window titled "E:\git\_56\_ui\_0914\cpu\AC54xx\tools\dv16\_isd\_sdr.exe". The window displays the output of a batch file named "Update.bat". The output consists of several lines of text, including memory addresses and hardware parameters, followed by a series of commands and their status reports. The commands include "make flash image ok", "make updata file for code&resource", "make bfu file ok", "Write File 2Disk physical address:0x00000000", and "Erase Flash block \*\*\*\*\*". The output ends with a list of numbers from 0 to 11, each followed by a space and a vertical bar.

```
E:\git_56_ui_0914\cpu\AC54xx\tools\dv16_isd_sdr.exe
sdram_clk:200000000
sdram_size:2000000
sdram_refresh_time:32
sdram_refresh_cycles:8192
sdram_mode:0
sdram_cl:3
sdram_colum:0
sdram_trfc:7
sdram_trp:2
sdram_trcd:2
sdram_wlcnt:0
sdram_trrd :1
sdram_twtr :2
sdram_trtw :2
sdram_twr :2
sdram_trc :6
sdram_rlcnt:3
sdram_d_dly:1
sdram_q_dly:1
sdram_vs_sel:1
sdram_ref_clk:390
sdram_phase:1
eva_clk:240000000
sdmmc:1 port:C_JL_AC54.BFU_PB11_0
make flash image ok
make updata file for code&resource
make bfu file ok
Write File 2Disk physical address:0x00000000
Erase Flash block *****
0 1 2 3 4 5 6 7 8 9 10 11 _
```

### STEP 4

Please wait patiently for the upgrade program to finish running. After the upgrade is successful, DS500 will automatically restart.

- Note:**
- Do not disconnect the power cord during the upgrade, otherwise it may cause the device to black out and not boot. If you do not see the machine restart or you are not sure whether the machine has been upgraded, you can
  - 1. Make sure to close the upgrade program first, and then unplug the power and turn on the DS500.
  - 2. Click "Menu" - "Version" and check the version number is 1.1.12 or not.
  - 3. If the version number hasn't changed, please follow the steps mentioned above to restart upgrade process again.