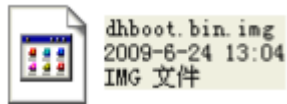
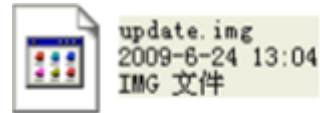


TFTP Upgrade

1) Upgrade Software



hiboot.bin.img



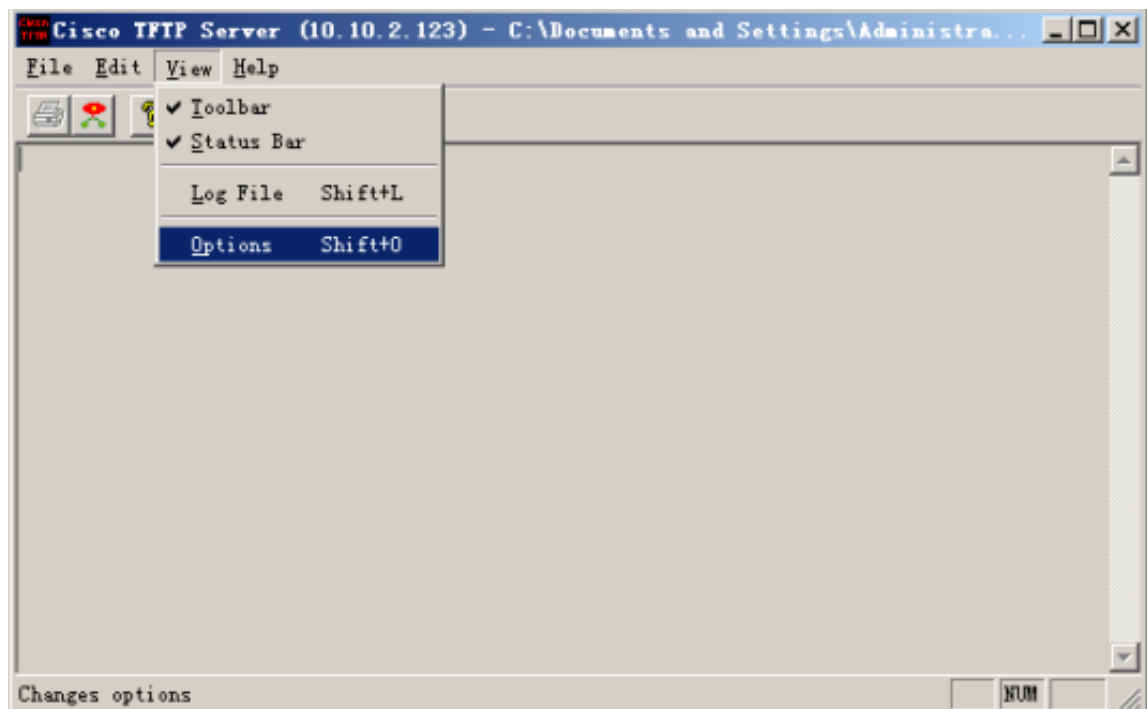
update.img

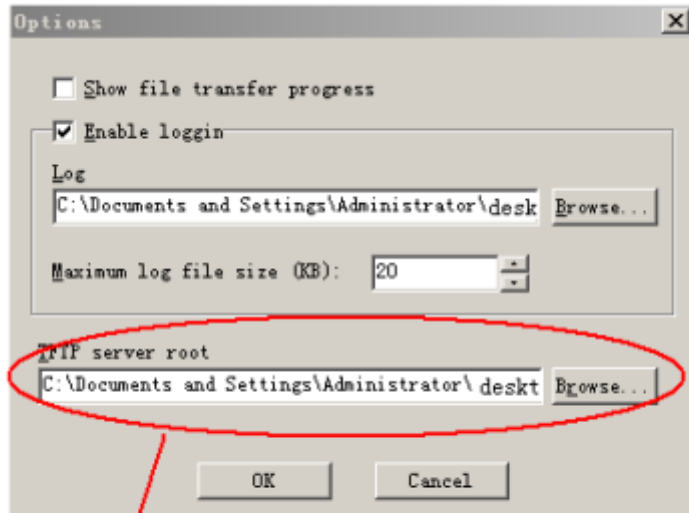
This two files are for TFTP upgrade , please put in TFTP server root path

2) Run TFTP server

A、 run: TFTPServer_En.exe

B、 Set the upgrade route in the TFTP server, please see the picture below

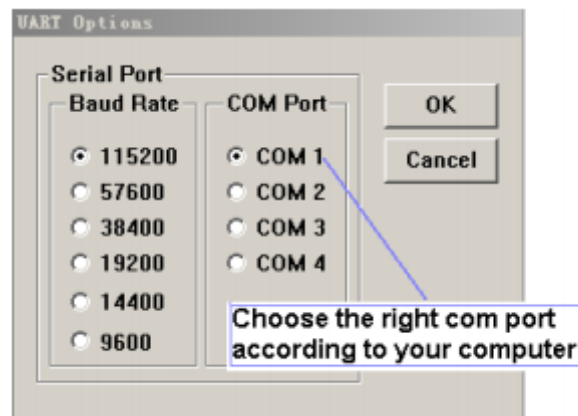




C:\Documents and Settings\Administrator\desktop\software

where the upgrade software located

3) Run NOCM in your computer, the com set is as before:



4) TFTP upgrade

- A、 Restart the IP Camera, press “*** ” to enter DHBOOT#menu
 - B、 Now you can enter TFTP menu, and will sees3c2510 #in the screen
 - C、 Type “**printenv**” to show some information of the DVR
 - D、 Type “**mac**” to see or the mac address
- Type “**sip ip address of the PC**” to set the TFTP server ip
- Type “**lip ip address of the DVR**” to set the DVR ip
- Type “**save**” to save

```
NCOM v1.02 [COM1, 115200bps]
File Options Help
Out: serial
Err: serial
ARM Clock :- 256MHz
DDR Clock :- 162MHz
Loading .....DHB00T# ****

Unknown command '****' - try 'help'
DHB00T# mac
Type "mac" to see the mac address of the IPC
ethaddr: 52:54:4c:fa:55:cf
DHB00T# sip 10.10.2.144
Type "sip IP address" to set the TFTP server IP
Set server ip address success!
Now server ip addr: 10.10.2.144
DHB00T# lip 10.10.5.85
Type "lip IP address" to set the IP Camera IP
Set local address success!
Now local ip addr: 10.10.5.85
DHB00T# save
Type "save" to save

Saving Environment to Flash...
Un-Protected 1 sectors
Erasing Flash...flash erase,Device=S29GL128N

Erasing sector 1 ... done.
flash reset;add by Sword Erase Operation Completed.
Erased 1 sectors
Writing to Flash...\done
Protected 1 sectors
DHB00T#
```

E、Type “run up” to begin upgrade

```
NCOM v1.02 [COM1,115200bps]
File Options Help
Err: serial
ARM Clock :- 256MHz
DDR Clock :- 162MHz
CPU:DM6441
Loading .....DHBOOT# ***

Unknown command '***' - try 'help'
DHBOOT# run up

TFTP from server 10.10.2.144; our IP address is 10.10.5.85
Filename 'update.img'.
Load address: 0x81a00000
Loading: #####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
```

F、 Wait until you see DHBOOT#in the screen again

```
NCOM v1.02 [COM1,115200bps]
File Options Help
## Checking Image at 0x8205b140 ...
Header CRC Checking ... OK
Image Name: linux
Image Type: ARM Linux Kernel Image (gzip compressed)
Data Size: 528384 Bytes = 516 kB
Load Address: 02c60000
Entry Point: 02f60000
Data CRC Checking ... OK
Programming start at: 0x02c60000
Flash erase,Device=S29GL128N

Erasing sector 99 ... done.
Erasing sector 100 ... done.
Erasing sector 101 ... done.
Erasing sector 102 ... done.
Erasing sector 103 ... done.
Flash reset;add by Sword Erase Operation Completed.
Erased 5 sectors
done.
Erased 0 sectors
Saving Image to Flash ...■/done.
DHBOOT# bootd

Loading .....
```

G、 Input “bootd” restart the IP Camera, that’s all.

6) Upgrade Failure

- 1、 To check if the RS232 serial port and serial cable is OK
- 2、 To check if the network connection is OK
- 3、 To check if the mac address of the IP Camera is right
- 4、 To check if the upgrade software is in the right folder and with right name
- 5、 To check if the NCOM and TFTP software is running
- 6、 Upgrade by TFTP upgrade again
- 7、 After several times attempt, if there is still have problems, please contact with our technical engineers.