

# User Manual of Firmware Upgrade

1. Use our client software to update. Detail information please refer to the client software user manual.
2. Use “FTP” function of “Upgrade” sub menu in “Utilities” menu. You need one host PC to run FTP server software and place firmware file (digicap), and make sure DVR and PC are in the same sub net.
3. Use “USB” function of “Upgrade” sub menu in “Utilities” menu. Please make sure the firmware file (digicap) is placed under root directory of USB flash memory.
4. Use the TFTP server. Please follow the next steps.

## Step 1:

Before the update start you should do the follow steps:

1. Download the TFTP server from the internet, such as Cisco TFTP Server. Then put the firmware in the root directory of the Cisco TFTP Server.
  2. Connect the device to the Router.
  3. Please use DTE cable to connect device 232 port with COM port of the server PC.
  4. Configure the Hyper Terminal. Steps as below.
- 1) Enter into start----all programs----accessories-----communications-----hyper terminal. Click hyper terminal. And fig 1 will pop up. Click cancel and select yes in the pop up dialog. then enter into fig 3.

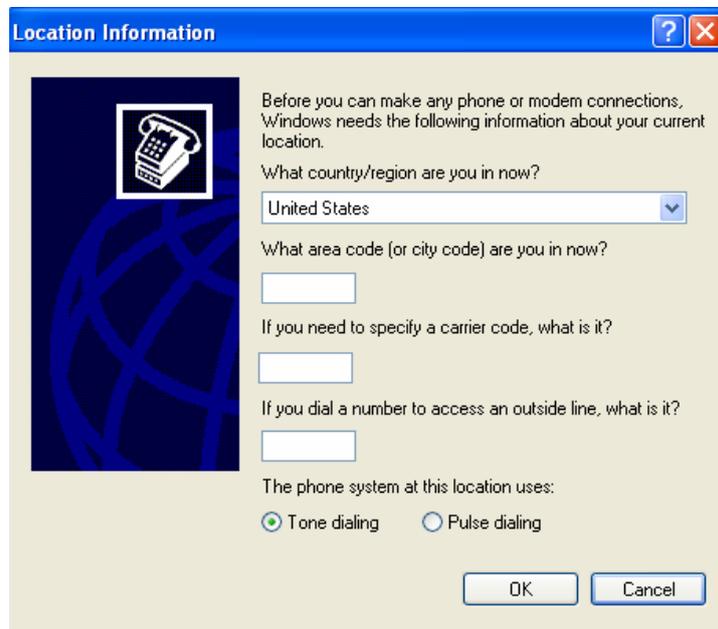


Fig1

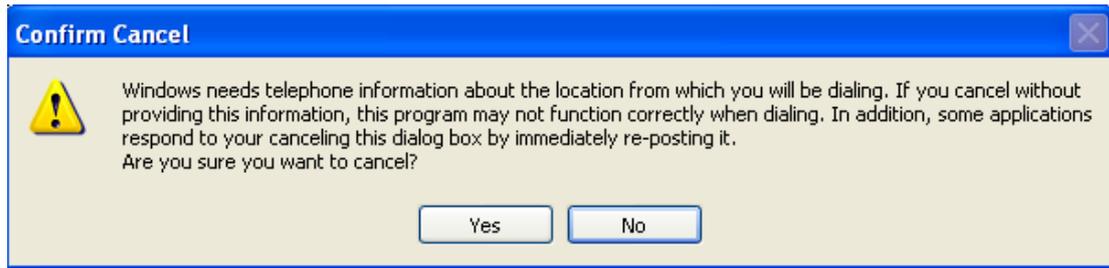


Fig 2

- 2) Input the name "hikvision". And do the step 1 again. Then enter into fig 4. select COM1 and click "OK" to enter into fig 5.

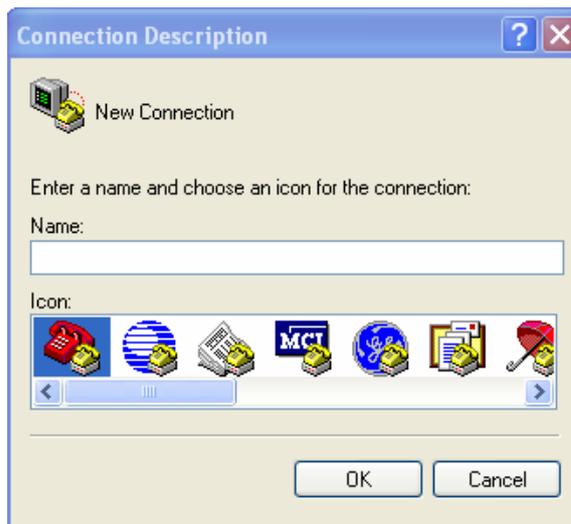


Fig 3



Fig 4

- 3) Modify the bits per second to '115200'. and modify the flow control to 'None.' Finally click "apply" and "ok" to enter into the hyper terminal main interface.

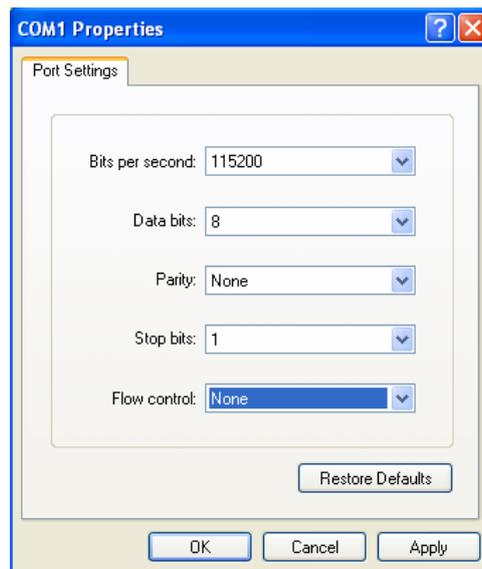


Fig 5

## Step 2:

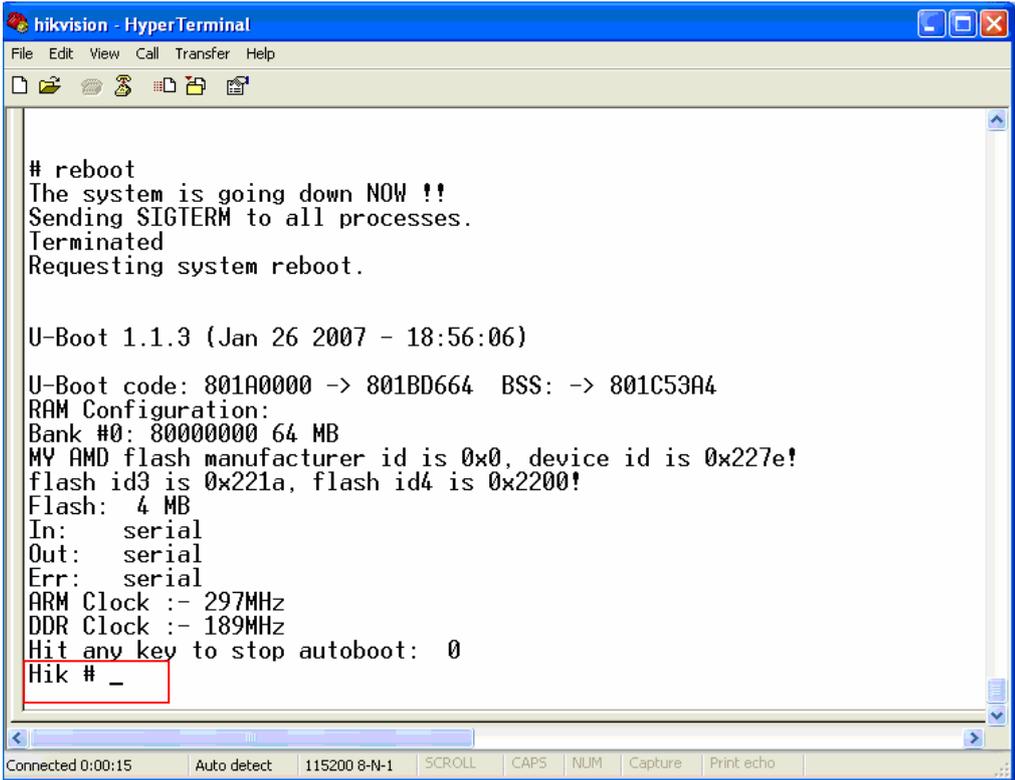
Then reboot the device and press any button in the pc keyboard again and again until the HIK # come out in the Hyper Terminal interface, show as fig 6. then input the “print” to check if the IP of the server and device is correct, also both of them should be in the same LAN. you can use the command

“set serverip” to modified the server ip

“set ipaddr” to modified the device ip

“set netmask” to modified the mask ip

Show as the fig 7.



```
hikvision - HyperTerminal
File Edit View Call Transfer Help

# reboot
The system is going down NOW !!
Sending SIGTERM to all processes.
Terminated
Requesting system reboot.

U-Boot 1.1.3 (Jan 26 2007 - 18:56:06)

U-Boot code: 801A0000 -> 801BD664 BSS: -> 801C53A4
RAM Configuration:
Bank #0: 80000000 64 MB
MY AMD flash manufacturer id is 0x0, device id is 0x227e!
flash id3 is 0x221a, flash id4 is 0x2200!
Flash: 4 MB
In: serial
Out: serial
Err: serial
ARM Clock :- 297MHz
DDR Clock :- 189MHz
Hit any key to stop autoboot: 0
Hik # _
```

Fig 6

```
hikvision - HyperTerminal
File Edit View Call Transfer Help
Err: serial
ARM Clock :- 297MHz
DDR Clock :- 189MHz
Hit any key to stop autoboot: 0
Hik # print
bootargs=console=ttyS0,115200n8 initrd=2g,1 rw root=/dev/ram mem=32M
bootcmd=bootm 0x2030000
bootdelay=3
baudrate=115200
netmask=255.255.248.0
bootfile="uImage"
serverip=192.0.2.34
ipaddr=192.0.2.31
stdin=serial
stdout=serial
stderr=serial
ethaddr=00:40:36:35:ba:cb
videostd=pal
Environment size: 279/65532 bytes
Hik # set serverip 192.0.2.33
Hik # set ipaddr 192.0.2.32
Hik # set netmask 255.255.255.0
Hik # _
```

Fig 7

**Step 3:**

Input the commend "save" and press enter button. Show as fig 8.

```
hikvision - HyperTerminal
File Edit View Call Transfer Help
serverip=192.0.2.34
ipaddr=192.0.2.31
stdin=serial
stdout=serial
stderr=serial
ethaddr=00:40:36:35:ba:cb
videostd=pal
Environment size: 279/65532 bytes
Hik # set serverip 192.0.2.33
Hik # set ipaddr 192.0.2.32
Hik # set netmask 255.255.255.0
Hik # save
Saving Environment to Flash...
<yxq_info> the config command is 0xa!
Not using the addr redund env!
Un-Protected 1 sectors
Erasing Flash...
Erasing sector 9 ... done.
Erase Operation Completed.
Erased 1 sectors
Writing to Flash...to addr 0x2020000 len 0x10000-done
Protected 1 sectors
Hik # _
```

Fig 8

**Step 4:**

Input the commend "update" and press enter button, then space button. After that the

