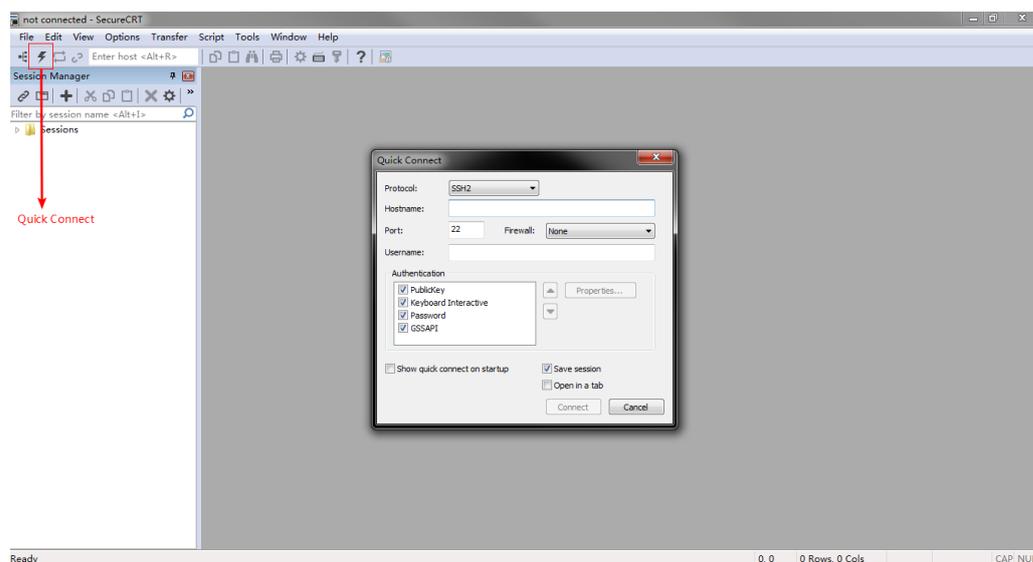


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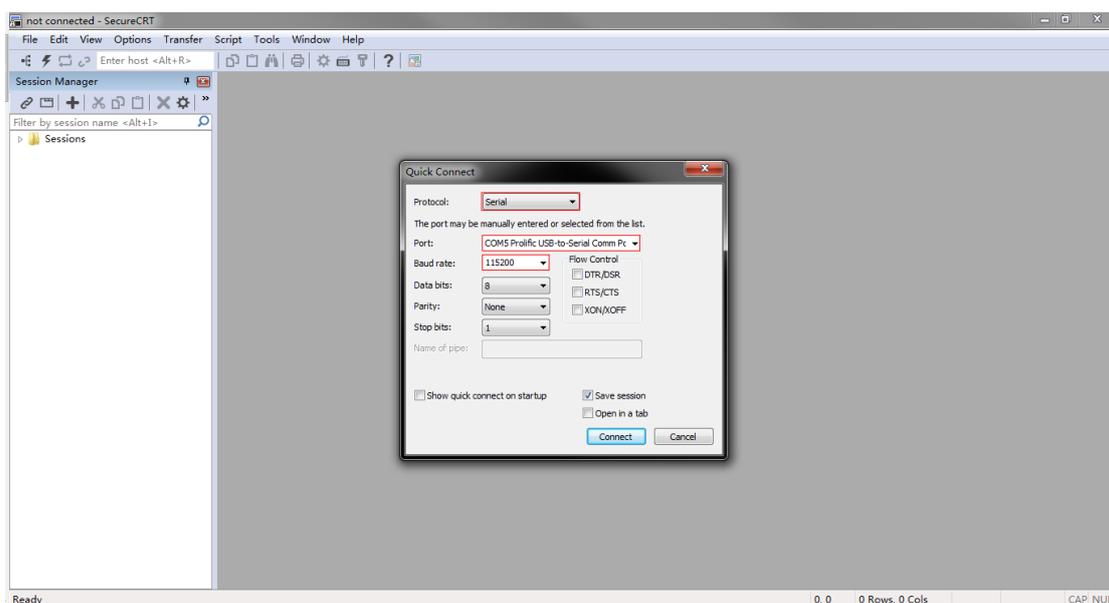


## How to upgrade the device by serial port (Non-CCTV)

1. Open SecureCRT.
2. Click the Quick Connect button to see the next page.



3. Setting Quick Connect.
  - a. Select Serial in Protocol
  - b. Select the port used by the serial port  
(How to check your computer's port you can see in the 4th step)
  - c. Select 115200 in Baud rate
 The remaining options remain default.



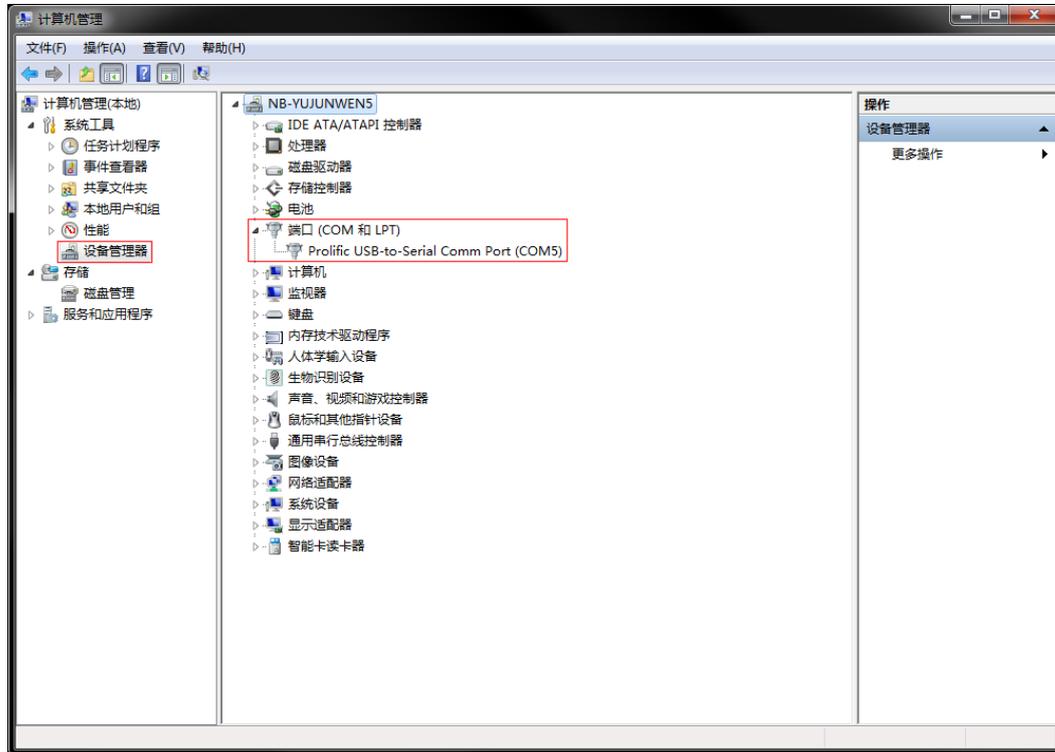
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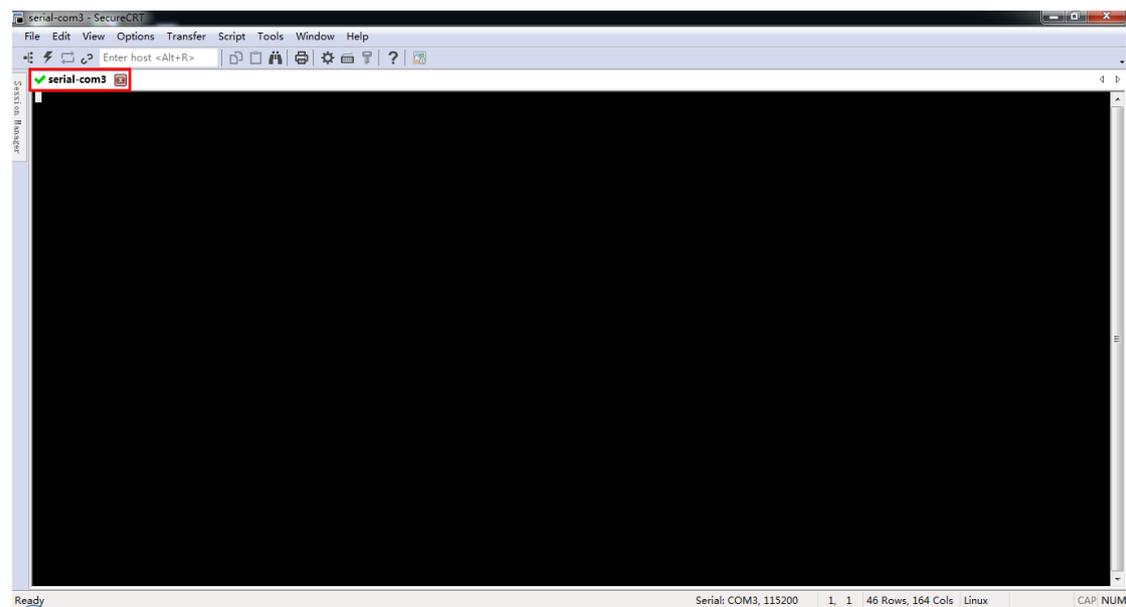
4. This section shows how to view the ports that your computer uses.

Click the computer icon on the desktop, right-click and select Manage, enter the following interface.

Click, Device Manager, and then click the port to view.



5. In step 3, click Connect to enter the following interface



When a green hook is displayed, the connection is successful.

6. This section shows how to enter u-boot interface

a. Connect the serial cable to the machine (do not connect the power supply).

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b. Press the control and u of the keypad with your hand, and then power the machine. It will appear as shown below.

```

serial-com3 - SecureCRT
File Edit View Options Transfer Script Tools Window Help
Enter host <Alt+R>
serial-com3
u-Boot 2010.06 (Dec 10 2015 - 19:27:17)
hisfc300_spi_probe:block protect enabled!
Hit any key to stop autoboot: 0
This program will upgrade software.
*****
* ATTENTION!! PLEASE READ THIS NOTICE CAREFULLY! *
* Don't reset machine,or anything that interrupt it. *
* The upgrade process must finish in 10 minutes! *
* If this program fails,machine might be unusable, *
* and you will need to reFlash again. *
* If you find this too risky,power off machine now. *
*****
Now press [u/U] key to upgrade software:

```

c. Enter u and click Enter.

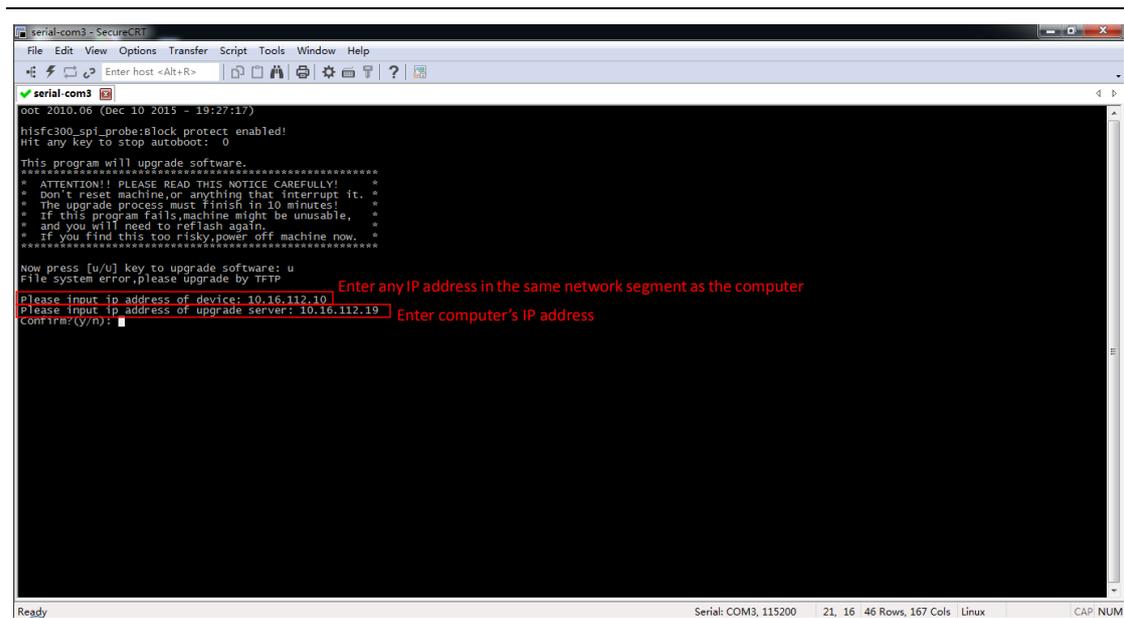
```

serial-com3 - SecureCRT
File Edit View Options Transfer Script Tools Window Help
Enter host <Alt+R>
serial-com3
oot 2010.06 (Dec 10 2015 - 19:27:17)
hisfc300_spi_probe:block protect enabled!
Hit any key to stop autoboot: 0
This program will upgrade software.
*****
* ATTENTION!! PLEASE READ THIS NOTICE CAREFULLY! *
* Don't reset machine,or anything that interrupt it. *
* The upgrade process must finish in 10 minutes! *
* If this program fails,machine might be unusable, *
* and you will need to reFlash again. *
* If you find this too risky,power off machine now. *
*****
Now press [u/U] key to upgrade software: u

```

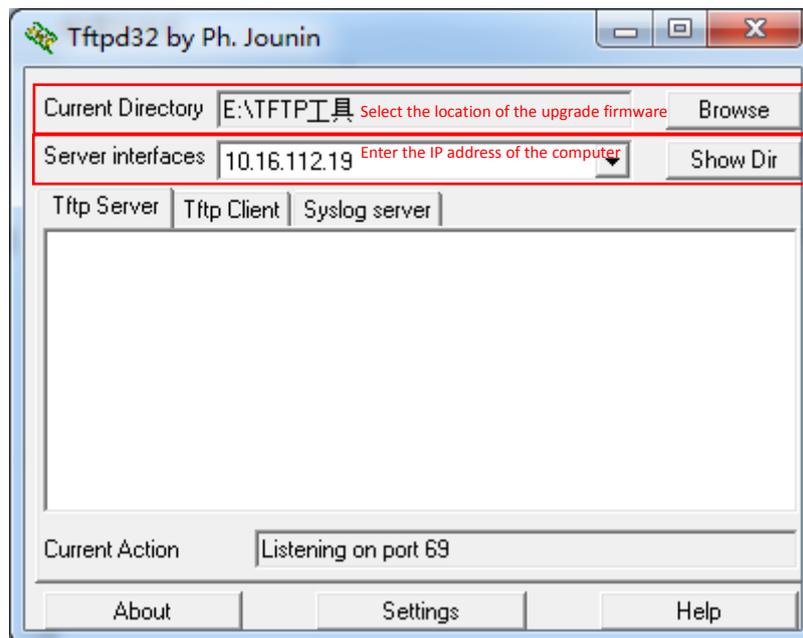
d. In the 'input IP address of device', enter any IP address in the same network segment as the computer. In the 'input IP address of upgrade server', enter computer's IP address.

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7. Open the TFTP tool

The first line selects the location of the upgrade firmware, and the second line enters the IP address of the computer.



8. Back to SecureCRT, enter y and click Enter.

Wait for prompt then click enter to reboot device.

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```

serial-com3 - SecureCRT
File Edit View Options Transfer Script Tools Window Help
Enter host <Alt+R>
serial-com3
root 2010.06 (Dec 10 2015 - 19:27:17)
hisfc300_spi_probes:block protect enabled!
Hit any key to stop autoboot: 0

This program will upgrade software.
*****
* ATTENTION!! PLEASE READ THIS NOTICE CAREFULLY! *
* Don't reset machine or anything that interrupt it. *
* The upgrade process must finish in 10 minutes! *
* If this program fails, machine might be unusable! *
* and you will need to refresh again. *
* If you find this too risky, power off machine now. *
*****

Now press [u/U] key to upgrade software: u
File system error, please upgrade by TFTP

Please input ip address of device: 10.16.112.10
Please input ip address of upgrade server: 10.16.112.19
Confirm? (Y/N): y
MAC: 18-68-CB-F0-94-C3
TFTP from server 10.16.112.19; our IP address is 10.16.112.10
Download filename 'd720ba.dav'.
Download to address: 0x80008000
Downloading: #####
done.
bytes transferred = 14098618 (d720ba hex)
cramfs_img checksum ok !
Erasing SPI flash...done
writing SPI flash...done
Upgrade check .....done
Erasing devCfg... done
Press ENTER key to reboot

```

9. Confirm that the device has been upgraded successfully.

```

serial-com3 - SecureCRT
File Edit View Options Transfer Script Tools Window Help
Enter host <Alt+R>
serial-com3
[DSP] NetOsDtype = 0
[DSP] dspidx = 0
[DSP] kSupportZeroEncode = 0
[DSP] chnId = 868586728
[DSP] malloc_Encode_Buf:
[DSP] NetPoolMain[0].totalLen = 512 K
[DSP] NetPoolMain[0].vaddr = 0x40c1008
[DSP] NetPoolSub[0].totalLen = 128 K
[DSP] NetPoolSub[0].vaddr = 0x219f838
[DSP] Total malloc len user 11344692(11) dsp 5270016(6)
g_pDspInitPara->vitype = 7
[DSP] Machine_Vision_Enable 0
MainIdx 2, iAuxIdx 1
[ERR] [event/interactctrl/osdctrl.c #520]: seems not init!
[PSWD] [0064]: public_base64 len 188 len 140
Init_stop_system maxEnChanNo = 1 maxIPCCount 0
PHY: 1:01 - Link is up - 100/Full
ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
encParam fps = 0
[DSP] encHostCmd.c|HostSetEncoderParam|172: chan 0 videotype 2 resolution 1010
encParam fps = 0
[DSP] encHostCmd.c|HostSetEncoderParam|172: chan 0 videotype 2 resolution 1010
[DSP] encHostCmd.c|HostSetSubEncoderParam|242: subChan 32 videotype 2
[DSP] encHostCmd.c|HostStartEncode|199: chan 0
[hikio_fops_ioctl, 1732]: ioctl cmd (0x7) not support!
##### w = 1024, h = 600, depth=16
-----end of initial-----
-> rt18188e_iol_efuse_patch
ADDRCONF(NETDEV_UP): wlan0: link is not ready
[ERR] [././././net/netutil/net_config.c #903]: wlan0 get_netmask ioctl error and errno=99
[ERR] [././././net/netutil/net_config.c #903]: wlan0 get_netmask ioctl error and errno=99
[ERR] [././././net/netutil/net_config.c #903]: wlan0 get_netmask ioctl error and errno=99
[ERR] [transProtocol/transParse.cpp #1818]: netDoorInfrFromDb err
[ERR] [protocol/control.cpp #957]: Appkey:bd9731ed82d6413daeec9841c54a1cc
[ERR] [src/sadp.c #2857]: sadp->dev online ack from client, verify_sadp_packet failed! len:146
[DSP] encHostCmd.c|HostSetEncoderParam|172: chan 0 videotype 2 resolution 1010
[HostStopEncode|126: chan 0
[.] HIKVISION uboot env
parameter_event PARTITION_NEW erase!
[ERR] [src/sadp.c #2857]: sadp->dev online ack from client, verify_sadp_packet failed! len:146
<dataManagement/storManagement/storManage.c, 116>Param error!
[ERR] [src/sadp.c #2857]: sadp->dev online ack from client, verify_sadp_packet failed! len:146
RTL871X: no linked power save error
IAL Native Engine: mouse device has been connected.
-----Init GUI !-----

```

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