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.
- 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.

Location Information	? 🗙
	Before you can make any phone or modem connections, Windows needs the following information about your current location. What country/region are you in now? United States What area code (or city code) are you in now? If you need to specify a carrier code, what is it? If you need to specify a carrier code, what is it? If you dial a number to access an outside line, what is it? The phone system at this location uses: The phone system at this location uses: To ne dialing Pulse dialing

Fig1



Fig 2

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

Connection Description ? 🗙	Connect To
New Connection	2 1
Enter a name and choose an icon for the connection:	Enter details for the phone number that you want to dial:
Name:	Country/region:
lcon:	Area code:
🏽 🌏 🌏 🗠 🥵 😼 📌	Phone number:
	Connect using: Conexant HDA D110 MDC V.92 M 💌
OK Cancel	Conexant HDA D110 MDC V.92 Moder COM3 COM1 TCP/IP (Winsock)
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.

COM1 Properties		? 🛛
Port Settings		
Bits per second:	115200	~
Data bits:	8	~
Parity:	None	~
Stop bits:	1	~
Flow control:	None	~
	Restore	Defaults
0	K Cancel	Apply

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
D 🛩 📨 🕉 🗈 🗃 😭
                                                                                                            ~
  # 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
            serial
  In:
  Out:
            serial
  Err: serial
ARM Clock :- 297MHz
DDR Clock :- 189MHz
  Hit any key to stop autoboot: 0
  Hik # _
                                                                                                          >
<
Connected 0:00:15
                    Auto detect
                                115200 8-N-1
```

Fig 6

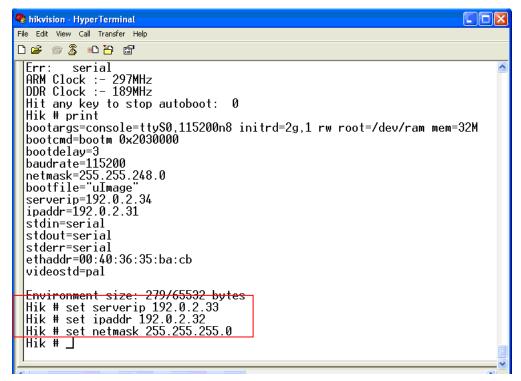


Fig 7

Step 3:

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

Shikvision - HyperTerminal	
File Edit View Call Transfer Help	
D 🖻 🐲 🐉 🗈 🎦 🗃	
<pre>serverip=192.0.2.34 ipaddr=192.0.2.31 stdin=serial stdout=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 255.255.0 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 Erase Operation Completed. Erase 1 sectors Writing to Flashto addr 0x2020000 len 0x10000-done Protected 1 sectors Hik # _</pre>	
	>
Connected 0:07:04 Auto detect 115200 8-N-1 SCROLL CAPS NUM Capture Print echo	

Fig 8

Step 4:

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

update will start. Show as fig 9

🎨 hikvision - HyperTerminal 🔹 🗖 🔀				
File Edit View Call Transfer Help				
Erase Operation Completed.				
Erased 1 sectors				
Writing to Flashto addr 0x2020000 len 0x10000-done Protected 1 sectors				
Hik # update				
Update flash.				

* ATTENTION !! PLEASE READ THIS NOTICE CAREFULLY! *				

This program will update digicap.dav.				
TFTP from server 192.0.2.33; our IP address is 192.0.2.32				
Filename 'digicap.dav'.				
Load_address: 0x80700000				
Loading: ####################################				
Connected 0:07:41 Auto detect 115200 8-N-1 SCROLL CAPS NUM Capture Print echo				
Connected 0:07:41 Auto detect 115200 8-N-1 SCROLL CAPS NUM Capture Print echo				
fig 0				

.fig 9

Step 5:

After the update finished, please input the command "reset" and press the enter button. The device will reset. Show as fig 10.

🍓 hikvision - HyperTerminal	
File Edit View Call Transfer Help	
Erasing sector 52 done. Erasing sector 53 done. Erasing sector 55 done. Erasing sector 56 done. Erasing sector 57 done. Erasing sector 58 done. Erasing sector 59 done. Erasing sector 60 done. Erasing sector 61 done. Erasing sector 62 done. Erasing sector 63 done. Erasing sector 63 done. Erasing sector 66 done. Erasing sector 67 done. Erasing sector 68 done. Erasing sector 69 done. Erasing sector 69 done. Erasing sector 70 done. Erasing sector 70 done. Erase Operation Completed. Erased 22 sectors Writing jffs2 to Flash\Protected 22 sectors update jffs2 done. Hik # reset_	
	>
Connected 0:10:38 Auto detect 115200 8-N-1 SCROLL CAPS NUM Capture Print echo	.::

Fig 10