

## Upgrade NVR-DVR using serial cable

NVR –DVR can upgrade using web browser or local gui. in some scenario where upgrade fail and not able to access the device, in this case need serial cable.

Need special cable or use full baud cable, if not have cable please contact RMA center.



NVR FW upgrade corrupt – Cases

- 1, If the NVR – DVR use custom FW, don't upgrade directly without consult the Hikvision support.
- 2, Upgrade from Old FW to Latest FW without upgrading the proper step.

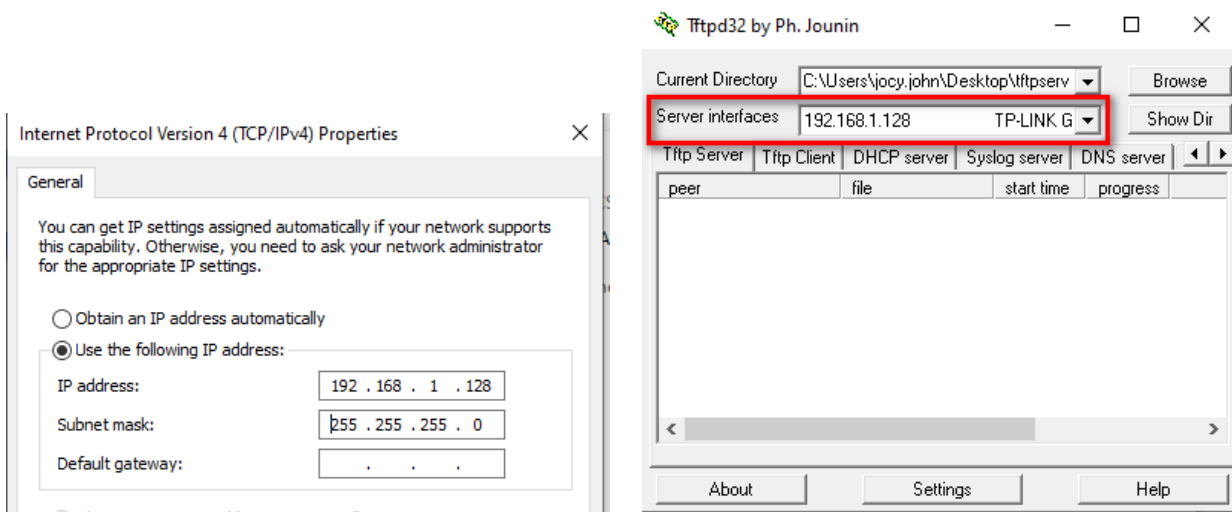
E.g. Upgrade only like V3.4.XX – V4.1.XX - V4.2.XX - 4.4.XX

### Tools required for upgrade:

- 1, Serial cable
- 2, Putty or Secure CRT
- 3, TFTP tool : <http://philippe.jounin.pagesperso-orange.fr/tftp-server-for-windows.html>

### Step to upgrade.

- 1, Connect serial cable to device
- 2, Connect network of device connect to your PC /Laptop. Keep PC IP as 192.168.1.128 or 192.0.0.128
- 3, Copy the FW to the TFTP folder

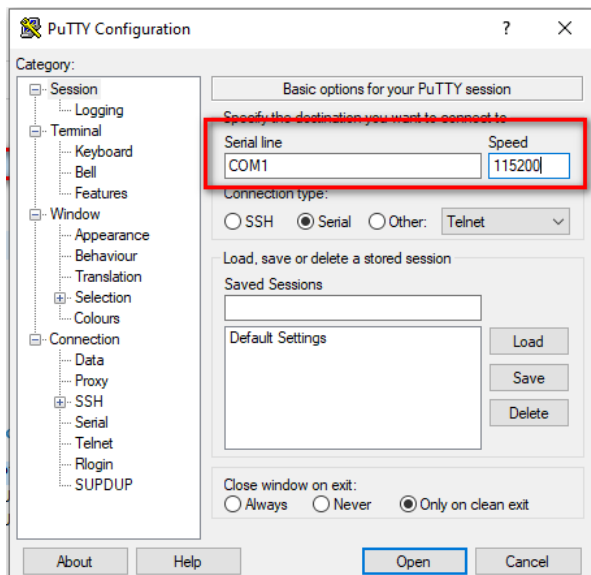


tftpserv

Name	Date modified	Type	Size
digicap.dav	3/24/2021 8:37 PM	DAV File	52,118 KB
mvcli.dat	2/17/2014 5:12 PM	DAT File	1,315 KB
Tftpd32	9/30/2016 11:41 PM	Application	211 KB
tftprc_en.dll	12/5/2007 6:29 AM	Application exten...	28 KB
tftpserv	12/4/2007 6:35 AM	Application	240 KB
tftpserv	12/5/2007 6:29 AM	Configuration sett...	1 KB
tftpserv	5/21/2015 1:53 PM	Text Document	71 KB

Select correct Serial port, Baud should be 115200

- Ports (COM & LPT)
  - High-Speed USB Serial Port (COM1)
  - High-Speed USB Serial Port (COM2)





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start to write files to partition 0...
Configures yaffs mount nand success!
10-1. write nand/headEx len: 1024
10-2. write nand/uImage len: 9735584
10-3. write nand/start.sh len: 11992
10-4. write nand/sys_app.tar.lzma len: 26235552
10-5. write nand/gui_res.tar.gz len: 9194720
10-6. write nand/webs.tar.lzma len: 8187504
10-7. write nand/TX1_Version.bin len: 40
10-8. write nand/RSA len: 24
10-9. write nand/new_10.bin len: 808
10-10. write flag file nand/version.bin len: 4
update partition 0 success!

start to write files to partition 1...
Configures yaffs mount nand1 success!
10-1. write nand1/headEx len: 1024
10-2. write nand1/uImage len: 9735584
10-3. write nand1/start.sh len: 11992
10-4. write nand1/sys_app.tar.lzma len: 26235552
10-5. write nand1/gui_res.tar.gz len: 9194720
10-6. write nand1/webs.tar.lzma len: 8187504
10-7. write nand1/TX1_Version.bin len: 40
10-8. write nand1/RSA len: 24
10-9. write nand1/new_10.bin len: 808
10-10. write flag file nand1/version.bin len: 4
update partition 1 success!
Press ENTER key to reboot █
    
```

Once completed reboot, you can access the NVR using web browser or Local GUI. You can see in SADP tool

ID	Device Type	Status	IPv4 Address	Port	Max. Bond Qua...	Can be bonded?	...	Software Version
001	DS-7608NI-I2/8P	Inactive	169.254.105.2	8000	0	No		V4.40.015build 200817

Some Common tools –

RS232 USB cable



Full Baud cable

