

### Upgrade Firmware via USB flash drive

1. Prepare a **USB flash drive**, and format it to FAT32 system format
2. Place all files from extraction into **the root directory of the USB flash drive**. (ie. Kernel16.bin, Boot.bin, Html.bin)
3. Plug your USB flash drive into the USB port of the DVR, and wait for pop up message "*USB connected.*"
4. In the menu of the DVR, go to Advance>>System>>Upgrade>> then choose "yes".
5. After upgrade finished, system will reboot.
6. DVR need to be reset after upgrade. Please go to Advance>>System>>Reset Default>> then choose "yes" to reset system. **Please note, after reset default, all settings (ie, detection, network, and PTZ etc.) may need to reset for your environment.**
7. You can always check out your firmware version in DVR. In the menu, go to Advance>>System>>firmware version.

### Upgrade Firmware via client software (AP)

1. Input the login information (username, password, IP address, and port number), **but do not log in.**
- 2.



3. Click on Firmware upgrade icon.
4. Click "Find" to choose the folder where the firmware files (ie. Kernel4.bin) located. Then click "OK".
5. Then press "Upgrade" to start upgrade.