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## ■ Summary

These are the release notes for NVR firmware v3.4.92.

## ■ Affected NVRs

DS-76xxNI-I2 Series	DS-7600NI-I2 DS-7600NI-I2/8P(16P)
DS-77xxNI-I4 Series	DS-7700NI-I4 DS-7700NI-I4/16P
DS-96xxNI-Ix Series	DS-9616NI-I8 DS-9632NI-I8 DS-9632NI-I16 DS-9664NI-I8 DS-9664NI-I16

## ■ Compatible Hikvision IP Cameras

IP Camera Model	IP Camera Firmware
2xx2 Series	v5.4.0_160530
40xx, 41xx, 42xx, 43xx, 6412FWD Series	v5.4.0_160419
2xx0, 2x14 Series	v5.4.3_160705
4324FWD, 6026FHWD Series	v5.4.0_160414
4xx5 Series	v5.4.0_160419
2x22FWD, 2x42FWD Series	v5.4.1_160525
DF Series	v5.4.0_160613
DF Series	v5.4.0_160613
DE Series	v5.3.9_150910
DE Series	v5.4.0_160613
DS-2DF5220S-DE4/W	v5.3.0_150410
DS-2CD2942F-IS (Fisheye)	v5.4.0_160926
DS-2CD63x2F(Fisheye)	v5.4.14_160427
DS-2CD6412FWD-C2	v5.3.9_160315
DS-2CD6986F-H	v5.3.8_160525
DS-2DP8018Z-D	v5.3.16_160824
DS-2DP1636Z-D	v5.3.16_160824
iDS-2CD6412FWD/C	v5.4.0_160414
DS-2CD2xx5FWD-I(G1)	v5.4.5_170124
DS-2CD29x5FWD-I(G1)	v5.4.5_170216

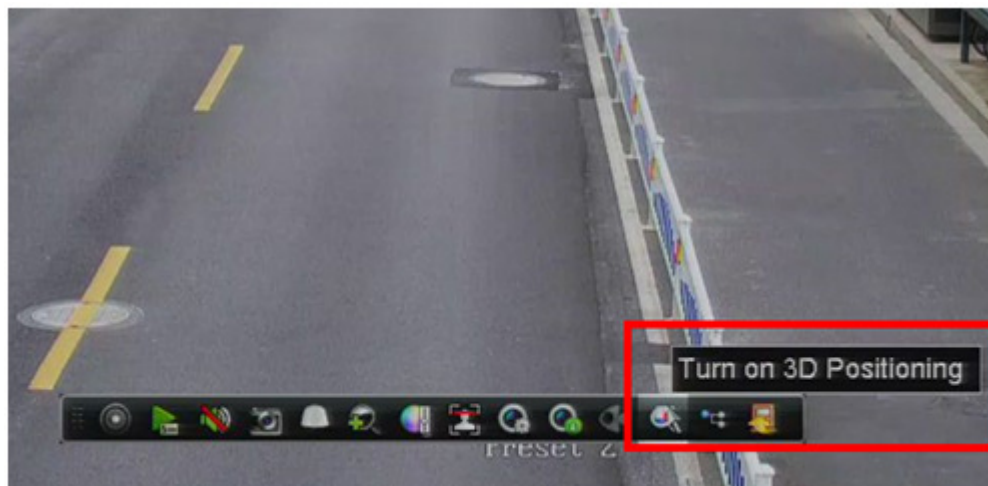
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## NVR v3.4.92 USA GUI Firmware

### ■ New Features

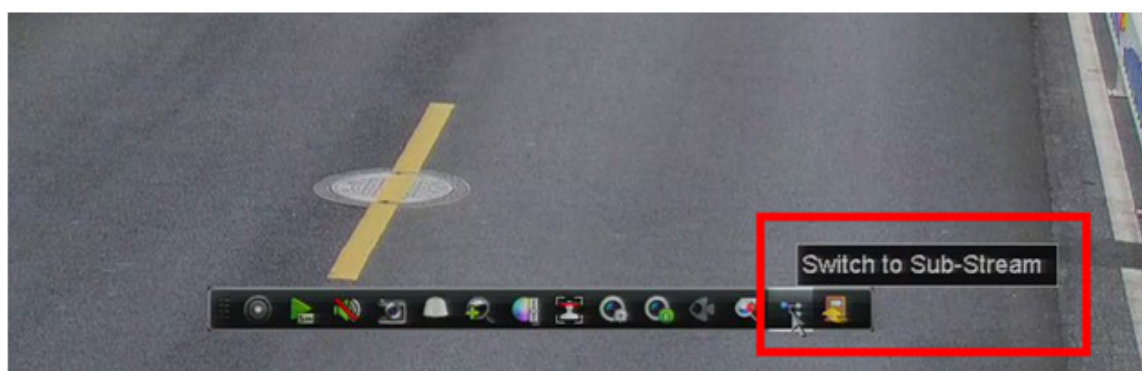
- **H.265** – Supports H.265 and H.265+ live view and playback
- **SSH** – Supports SSH function
- **Dual-VCA** – User can enable or disable IP camera's dual-VCA function on NVR's Web page
- **Double Stream Record** – I Series NVR supports double stream record, user can configure video stream type in Record > Parameters > More Settings. Note that we don't recommend users to use this function in DS-7608NI-Ix/xP.
- **One-Key Disarming** – Supports one-key disarming. User can disable the arming schedule of whole device, selected linkage action will be disabled. Note that the no. 1 alarm input will be invalid if user enables one-key disarming.
- **Fisheye Expansion** – Optimized PTZ expansion area, user can click the control area and expand a specific area; Supports wall mount mode.
- **Export** – Supports exporting video in AVI format, supported audio encoding format: G711U/G711A/AAC
- **DNS** – IP address DHCP and DNS DHCP can be configured separately
- **SSH** – SSH access will be closed if there's no connection during 24 hours or user inputs wrong password three times. Supports five users' accessing at the same time
- **Live View** – I Series NVR will switch to sub stream for live view if single channel's resolution is greater than 8 MP in 2\*2, 1+5, 1+7 split-screen
- **Playback** – User can switch playback mode between Normal mode and Smart mode; user can set the playback speed of normal videos and smart videos in Smart Playback mode; I Series NVRs support sub stream playback
- **E-Mail** – For other VCA events, if picture's size is smaller than 500 KB, e-mail will directly attach picture sent from IPC. If picture's size is larger than 500 KB, NVR will compress picture's resolution to 4CIF and attach it in e-mail; user can test e-mail in Web page
- **DDNS** – The whole DDNS address (url) will be shown after user registers device on DDNS server
- **36 Split-Screen** – 32-ch I Series NVR supports 36 split-screen
- **HIK-Connect** – Supports uploading Intrusion and Line Crossing alarms to HIK-Connect platform
- **3D PTZ** – Supports control 3D PTZ function in live view interface; supports linking the PTZ action by controlling 3D PTZ function in PanoVu (DS-2DP1636Z-D) panoramic channel

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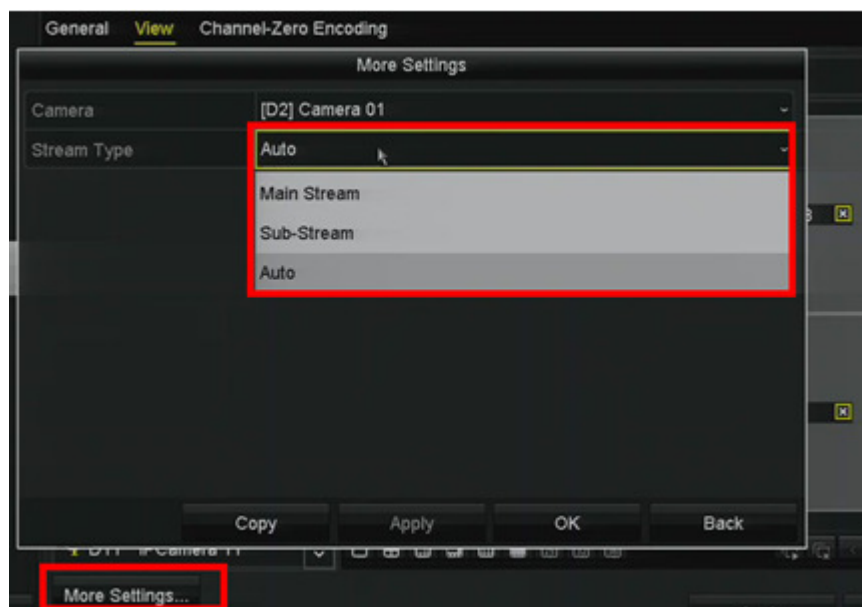
- **Live View**

- 1) User can switch live view streams manually in live view interface

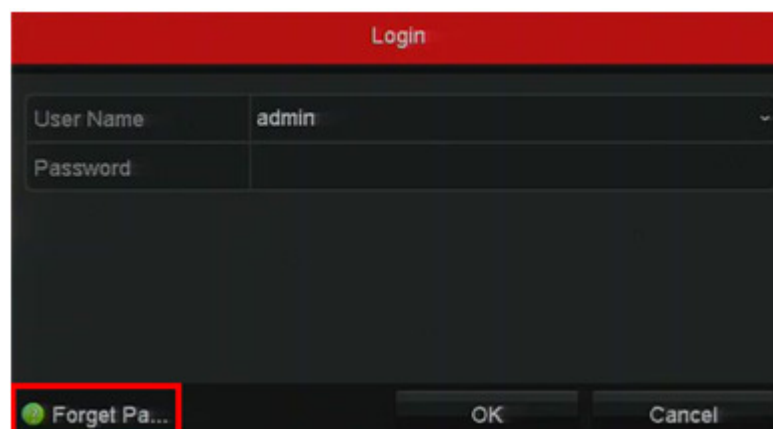


- 2) User can set default live view stream type in Configuration > Live View > View > More Setting; supported modes include Main Stream, Sub Stream, and Auto; re-entering the live view interface or switching live view split-screen mode will turn to default live view stream type

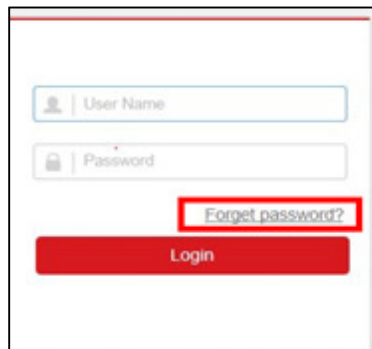
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- **New Password Resetting Strategy** – All password resetting strategies below are valid only in local area network; local GUI, SADP, IVMS-4200, and Web client support new password strategy; user can enter new password resetting interface by clicking “Forgot Password”

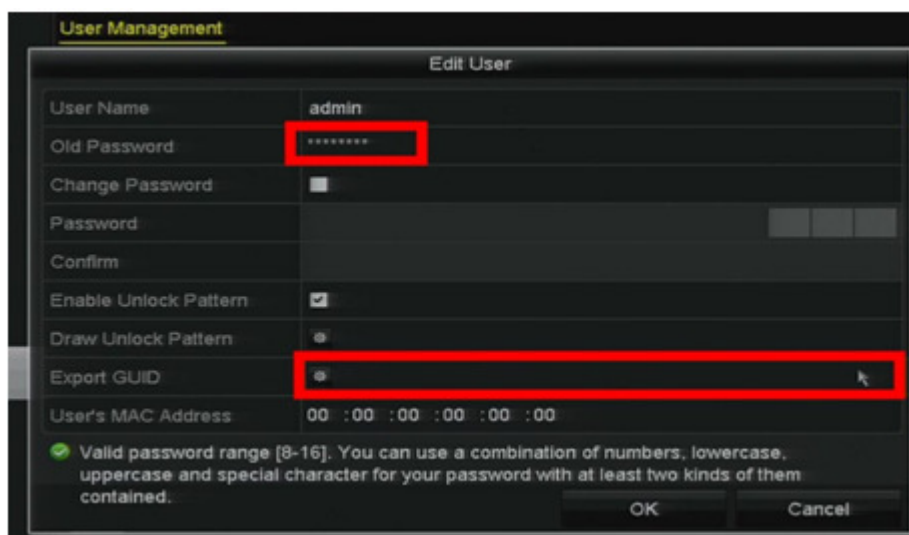


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The image shows a login interface with a 'User Name' field, a 'Password' field, a 'Forget password?' link, and a red 'Login' button.

- 1) User can export the GUID file and reset the password by importing the GUID file when he forgets password; note that if the admin password is changed or GUID file has been used, GUID file will be expired



The image shows the 'User Management' dialog box, specifically the 'Edit User' section. It contains fields for 'User Name' (admin), 'Old Password' (masked), 'Change Password' (checkbox), 'Password' (masked), 'Confirm' (masked), 'Enable Unlock Pattern' (checkbox), 'Draw Unlock Pattern' (radio), 'Export GUID' (radio), and 'User's MAC Address' (00 : 00 : 00 : 00 : 00 : 00). A red box highlights the 'Export GUID' field. A message at the bottom states: 'Valid password range [8-16]. You can use a combination of numbers, lowercase, uppercase and special character for your password with at least two kinds of them contained.' There are 'OK' and 'Cancel' buttons at the bottom right.

- 2) User can set validation questions and reset the password by answering the questions

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**Security Question Configuration**

Security Question1: You father's name. Answer: A ✓

Security Question2: You mother's name. Answer: B ✓

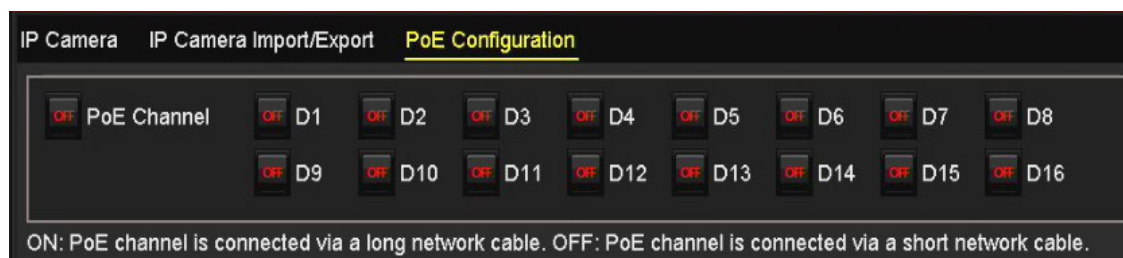
Security Question3: Your senior class teacher's name. Answer: C ✓

OK Cancel

3) The security code resetting strategy (entered by double clicking left bottom corner of login interface) is removed from this version

- **Hik-Connect** – Supports zero-channel live view on Hik-Connect platform
- **Recording Type** – For new devices or devices reset to factory setting, NVR will automatically set 7\*24 continuous recording for IP channels
- **VCA Attached Pictures** – Supports VCA pictures that are larger than 512 KB and saves in local storage; note that pictures larger than 512 KB can't be transmitted to IVMS software
- **USB Flash Disk Debugging** – Supports saving kernel running information to USB flash disk in .txt format for troubleshooting.
- **HDD** – Supports new encryption HDD models: WD2000FYYZ-31, WD3000FYYZ-31, WD4000FYYZ-31, WD4002FYYZ-31, and WD6002FYYZ-31
- **POE Configuration**
  - 1) I Series POE NVR supports extending POE transmission distance from 100M to 250M with Cat-5e cable or 300M with Cat-6 cable
  - 2) The capacity of POE port will be changed from 100 Mbps full-dup to 10 Mbps full-dup after switching to long-distance mode
  - 3) User can configure POE long-distance working mode in Menu > Camera > POE configuration, the default status is OFF

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- 4) The maximum bitrate set of IP camera cannot exceed 6 Mbps in case of bitrate's sudden increase
- 5) Tested IP camera list in long-distance mode

DS-2CD4665F-IZHS	DS-2CD4026FWD-AP	DS-2CD4A35FWD-IZHS
DS-2CD2642FWD-IZS	DS-2CD2F42FWD-IWS	DS-2CD2942F-IWS
DS-2CD2510F	DS-2CD2342WD-I	DS-2CD2322WD-I
DS-2CD2352-I	DS-2CD2642FWD-IZS	DS-2CD2642FWD-I
DS-2CD2642FWD-IS	DS-2CD2642FWD-IZ	DS-2CD2742FWD-IZS
DS-2CD2742FWD-I	DS-2CD2742FWD-IS	DS-2CD2742FWD-IS
DS-2CD2T42WD-I8	DS-2CD2T42WD-I5	

- **8 TB HDD** – 76/77 I Series NVR supports WD 8 TB HDD while 96 I Series NVR supports WD and Seagate 8 TB HDD; refer to latest HDD compatibility list for more information; in order to reduce total start current of HDDs, NVR restricts the number of sleeping HDDs, maximum sleeping HDD number is 1/2/4/4 for 2/4/8/16 HDD slots NVR
- **Genetec Compatibility** – Supports access to Genetec VMS, supported operations include video parameter configuration, live view/playback, alarm notification, auto reconnection
- **IP Camera Access** – Supports access to IP camera with IP camera's Hik-Connect domain name; the IP camera and NVR should be added to same account

## ■ Fixed Bugs

- **Website** – The bug that there is no result when research motion detection in playback interface on Website
- **Manual** – Added Manual back to Menu, and added manually clear feature back to Website interface
- **Remote Login** – Fixed the issue that there is no remote login log when login to the NVR/DVR from the Web browser
- **Offline Issue** – Fixed the bug that device will reboot after connected to Hik-central

## ■ Modifications

- **Virtual Host** – Supports only enable/disable virtual host feature in Website, doesn't support configure port.



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- **POE Management** – Doen't support AF/AT settings in POE management interface, keep the same with baseline
- **DHCP** – Removed refresh button when enabling DHCP
- **Merge Files Feature** – Optimized Merge files feature, just the GUI optimization
- **Playback** – Cannot adjust playback time bar (zoom in/zoom out) through the mouse; there are options to adjust such as 30 mins, 60 mins
- **IPC Default Feature** – Removed IPC default feature, because new IPC FW is very stable