

Title	Plug and Play NVRs FAOs with Secure Activation Procedures	Version	10	Date	6/24/15
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Product:	All Hikvision DVRs/NVRs				
Action Required:	None, Information only				

#### Summary

With the introduction of the new secure activation procedure, the interaction between NVRs with a Plugn-Play feature and IP cameras has slightly changed. There have been some questions and concerns regarding this issue, and this technical bulletin will provide solutions for three different scenarios that can occur.

## 1. I have a DS-76xxNI-SE/(8)P NVR with firmware v2.3.10 build 141128 or below. How do I connect cameras with firmware v5.3.0 to my NVR?

To add cameras with firmware v5.3.0 to the DS-76xxNI-SE/(8)P NVR, the cameras have to be activated before they can be added. The camera activation is discussed in **"New Secure Activation Process for IP Cameras"** technical bulletin. After the cameras are activated, the cameras' IP address must be changed to **192.168.254.x** (e.g., 192.168.254.2) in order to be added to the NVR in a **MANUAL** mode.

- 1. Activate the cameras (see "New Secure Activation Process for IP Cameras" technical bulletin)
- 2. Change the cameras IP address to 192.168.254.x (e.g., 192.168.254.2, 192.168.254.3...) (Figure 1).
- 3. On the NVR go to **Menu→CAMERA SETUP (Figure 2)**.
- 4. Click the PENCIL (edit) icon next to the channel number (D1, D2...) (Figure 3).
- 5. Change the ADDING METHOD to MANUAL (Figure 4).
- 6. Enter the camera's IP address, username, and password (Figure 5).
- 7. Click APPLY.

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					🕡 Help	Q Online Devices					🕡 Help	Q Online Devices
Idodfy Network Parameters P Address: 192.168.254.2 Port: 8000 Subnet Mask 256.255.255.0 Pv6 Gateway:  Pv6 Gateway:  Pv6 Gateway:  Pv6 Gateway:  Pv6 Prefix Lengt 0 HTTP Port:  00 Device Serial N DS-2CD2412F-IW20 Enable DHC Enable DHC Password Recovery Security Code:  OK	as Excel Pefresh Software Version IPv4 Gi <i>15</i> 2.3build 14 10.102. (2.3.10build 1 10.102. (2.3.10build 1 10.102.	Save     Port     8000     9000	Security Active Active Active	$\nabla$	Pep Pep Pet Address 192.0.064 10.102.102.210 10.102.102.133	Online Devices     Total number of     Device Type     Ds.2cD2412F-IW     Ds.7608NI-SE/8P     DS.7608NI-SE/8P	Modify Network Parameters IP Address: Port: Subnet Mask: IPv4 Gateway. IPv6 Gateway. IPv6 Orderss: IPv6 Parefix Lengt HTTP Port: Device Serial N Censel: Password Recovery Security Code: OK	ve as Excel Refresh Software Version IPv4 Gr V5.2.3buid 14 0.10 V2.3.10buid 1 10.102. V2.3.10buid 1 10.102.	Eurity Port Active 8000 Active 8000 Active 8000	√	Help     fonline devices: 3     IPv4 Address     192.0.64     10.102.102.210     10.102.102.13	Orline Devices     Total number of     Device True     Ds.2cD2412F-IW     DS.7608NI-SE/8P     DS.7608NI-SE/8P     DS.7608NI-SE/8P
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#### Figure 1. Changing the camera's IP address



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			Playback   File Management   Recording Configuration   Cameras Setup   System Configuration   Maintenance   System Information				
			Figure 2				



Figure 3 Press the PENCIL (edit) icon

## **TECHNICAL BULLETIN**



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Figure 4 Change the adding method from Plug-n-Play to MANUAL.



Figure 5. Enter the camera's IP address and the password

## 2. I have a DS-76xxNI-E1(E2) NVR with firmware v3.0.7 or older, or DS-7716NI-SP/16 NVR with firmware v3.1.3 or older. How do I connect cameras with firmware 5.3.0 to my NVR?

There are two approaches to this situation.

- A. Upgrade the firmware of the DS-76xxNI-E1(E2) to v3.1.0. If working with DS-7716NI-SP/16, then upgrade the NVR to v3.1.5. Change the NVR's password to at least a minimum required WEAK level. The password strength is discussed in the "New Secure Activation Process for DVRs/NVRs" technical bulletin. After performing those two steps, connect the cameras to the NVR.
  - 1. Download the firmware from http://www.hikvision.com/en/us/download more.asp?id=1509



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- 2. Unzip the firmware and copy the "digicap.mav" file to a USB flash drive
- 3. Go to MENU $\rightarrow$ MAINTENANCE $\rightarrow$ UPGRADE (**Figures 6 and 7**).
- 4. Select the **"digicap.mav"** and click the UPGRADE button. The NVR will reboot after the upgrade. (Please refer to the firmware upgrade video on our YouTube channel <u>https://www.youtube.com/watch?v=vPk5K4RE22A</u>)
- 5. Go to MENU→SYSTEM CONFIGURATION→USERS and click the PENCIL (edit) icon next to the admin username (Figure 8).
- 6. Enter the new password and click OK (Figure 9).
- 7. After the password is changed, connect the cameras to the NVR



Figure 6

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System I	Maintenance			
System Logs	Local Upgrade FTP Upgrade Device Name	USB1-1	Refresh	
W Import/Export	ang digicap.mav	Size Tune 23,508KB File	2015-05-14 13:46:34	
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Factory Default				
😪 Network Detect				
HDD Detect				
			4	
				Upgrade
0				Ċ

Figure 7. Upgrading the firmware

System	Configur	ation				(0.18
Seneral	No	User Name	Admin	User's MAC Address	Permission  Edit	Delete
9 Network						
HDD						
Live View						
A Exceptions						
🔏 User 🔹						
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Figure 8. Go to Users and edit the password

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	-						
	No.	User Name		Level	User's MAC Address	Permission	Edit
	1	admin		Admin	00:00:00:00:00	θ	1
				Edit User			
			User Name	admin			
			Old Password	*****			
			Change Password	✓			
>			Password	******	WEAK		
			Confirm	abo	C		
			User's MAC Address	ESC 1 2 3 4 5 6 7 8	9 0		
			User's IP Address	QWERTYUIC	P		
				•• A S D F G H J K	L		
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				Space E	Enter		
			7				
				ОК	Cancel		

Figure 9. Enter the new password

**B.** Use the same method discussed for adding cameras to **DS-760xxNI-SE/(8P)** on **page 1**.

# 3. I have a DS-76xxNI-E1(E2) or DS-7716NI-SP/16 NVR with June 2015 firmware. How do I connect cameras with firmware 5.3.0 to my NVR?

There are three approaches to this situation:

- **A.** Activate the NVR, then connect the cameras to the built-in POE switch. The cameras will be activated by the NVR and the NVR's password will be assigned to the cameras. To activate the NVR, please see the **"New Secure Activation Process for DVRs/NVRs"** technical bulletin.
- **B.** The NVR and the cameras can be activated separately using the same password for the cameras and the NVR (see **"New Secure Activation Process for DVRs/NVRs"** and **"New Secure Activation Process for IP Cameras"** technical bulletins). After activating the devices, the cameras can be plugged in to the NVR and the Plug-n-Play feature will connect to the cameras. After exiting the menu, the feature will populate the cameras on the screen.
- C. The cameras and the NVR can be activated using different passwords (see "New Secure Activation Process for DVRs/NVRs" and "New Secure Activation Process for IP Cameras" technical bulletins). After activation, the cameras need to be manually added to the NVR using the method discussed on page 1.