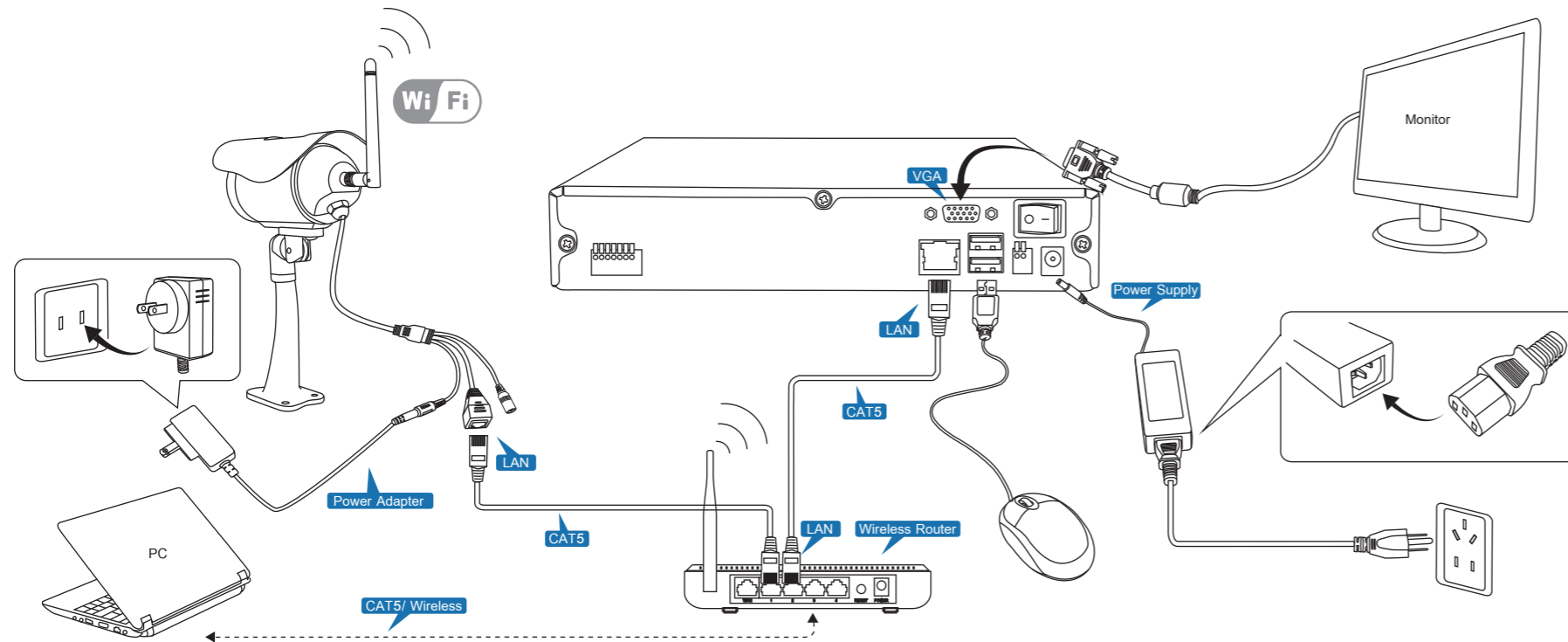


Quick Installation Guide

For ZMODO® NVR/IPC System



Step 1: Pre-Installation Preparations

1.The following devices and accessories should be included inside of the package:

- (1) NVR
- (4) IP Network Cameras
- (4) Power Adapter for IP Camera
- (1) CAT5 Cable
- (1) Software CD
- (1) Quick Guide

2.Obtain the following basic network configuration information for your router:

IP address segment	Example: 192.168.1.XXX
Default gateway	Example: 192.168.1.1
Subnet mask	Example: 255.255.255.0
DNS Server	Example: 192.168.1.1
Wireless Network Name	Example: SSID
Wireless Security type	Example: WEP, WPA, WPA2, etc.
Encryption type	Example: AES, TKIP, Auto, etc.
Security Key(Wifi Password)	(xxxxxxxxxx)

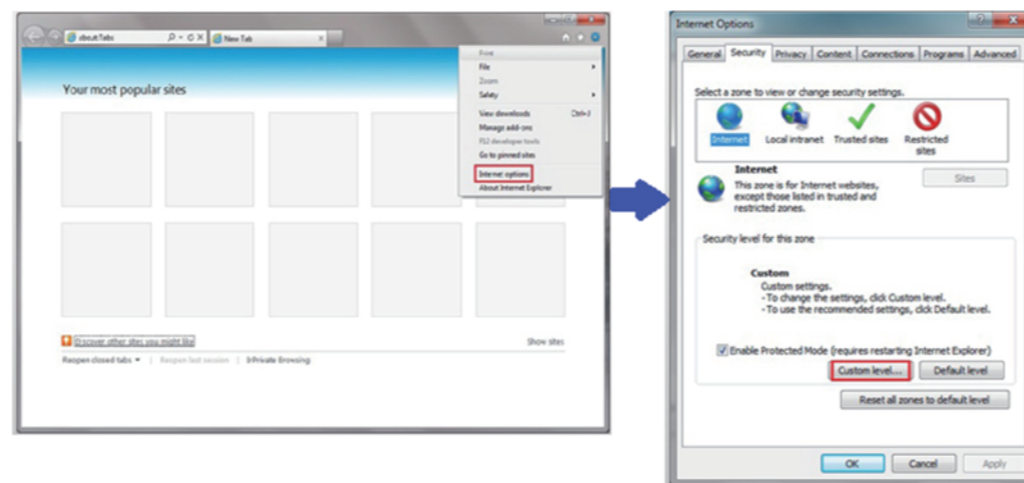
To find out the IP Address Segment, Default Gateway, and Subnet Mask, you will need to open the command prompt from a Windows PC that is connected to the same router that your NVR & IP Cameras will be connected to:

Open your command prompt by pressing the Windows key and R at the same time. Type in "cmd" in the run line and press "Enter."

In the new window that appears, type in "ipconfig" then press "Enter." Make note of your IPv4 Address, Subnet Mask, and Default Gateway. You will need this information later.

Step 2: Adjust Necessary ActiveX Settings in Internet Explorer

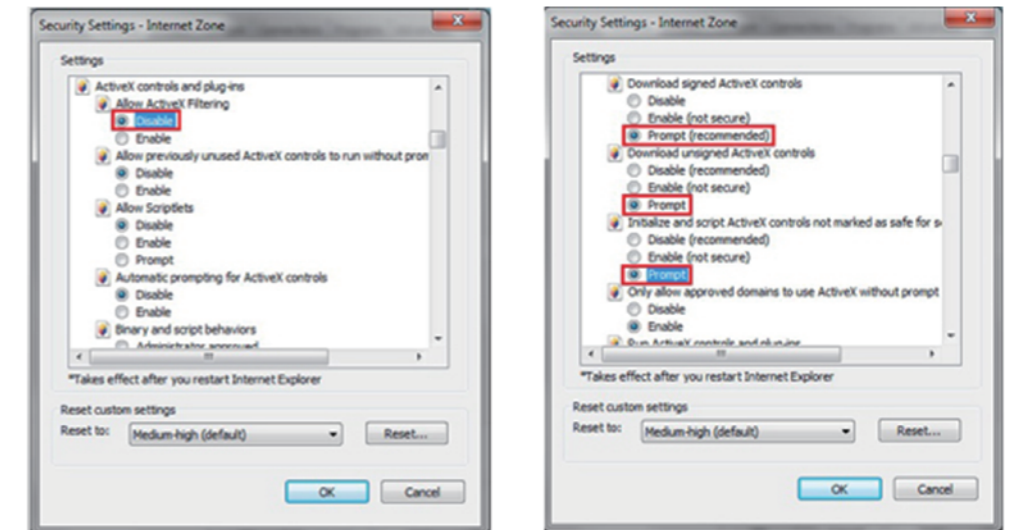
- 1.Open Internet Explorer from a Windows computer that is connected to the same router as the NVR and IP Cameras.
- 2.Click on the Gear Icon on the upper left hand corner, then select "Internet Options."
- 3.From the "Internet Options" page, click on the "Security" tab.
- 4.From the "Security" tab, click on "Custom Level..."



5.You will now see a list of items that you can set to either Enable, Disable, or Prompt. If you see an option to Allow ActiveX Filtering at the top of the list, change this option to Disable.

6.Scroll down until you see the following three items, change all three of these items to Prompt:

- Download signed ActiveX controls
- Download unsigned ActiveX controls
- Initialize and Script ActiveX controls not marked as safe for scripting



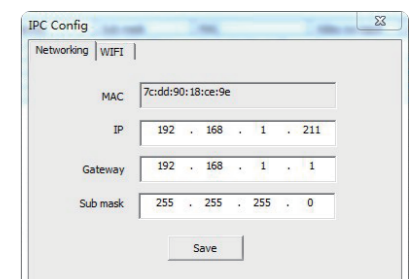
7.Click "OK" to exit this screen, then click "Apply" from the Internet Options page to save the changes you've made.

** These steps will need to be performed on every computer that you use to access your cameras online.

Step 3: Configure Wireless Network Connection for IP Cameras

- 1.Connect one IP Camera to an empty LAN port on your wireless router using the included CAT5 network cable.
- 2.Insert the Software CD into a Windows Computer that is connected to the same router as the IP Camera is connected to.
- 3.Run the IPC Search tool program from the Software CD. The IPC search tool will search for connected IP Cameras on the local network. The initial factory setting of the four IP Cameras is 192.168.0.101, 192.168.0.102, 192.168.0.103, & 192.168.0.104

Device type	IP	Gateway	Sub mask	MAC	Video number	Audio number	Alarm input	Alarm output	Intercom	Storage	Web port
ZMD-NV-SBH4	192.168.1.102	192.168.1.1	255.255.255.0	04:5c:06:00:ad:2f	4	0	4	1	N	Y	80
ZMD-15V-8FM26NM	192.168.1.211	192.168.1.1	255.255.255.0	7c:dd:90:18:c8:9e	1	0	0	0	N	N	80
ZMD-15V-8FM26NM	192.168.1.213	192.168.1.1	255.255.255.0	7c:dd:90:1a:a3:23	1	0	0	0	N	N	80
ZMD-15V-8FM26NM	192.168.1.212	192.168.1.1	255.255.255.0	7c:dd:90:1a:95:04	1	0	0	0	N	N	80
ZMD-15V-8FM26NM	192.168.1.214	192.168.1.1	255.255.255.0	7c:dd:90:1a:94:fb	1	0	0	0	N	N	80



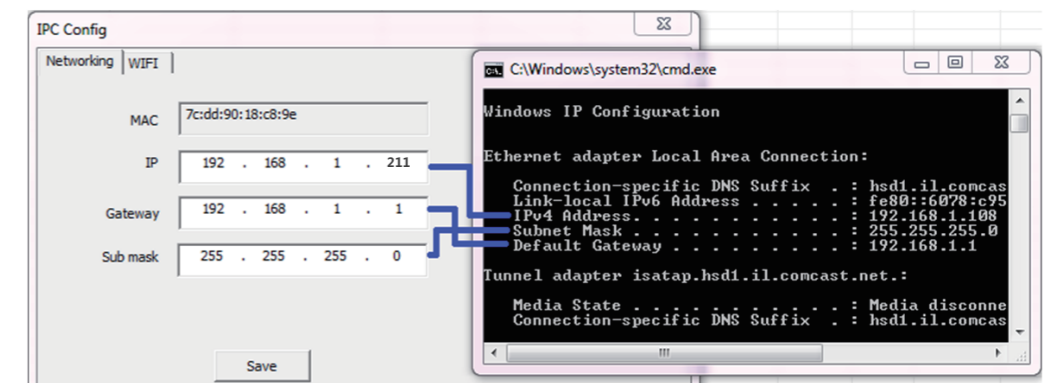
4.Double Click on the IP Camera that you wish to configure, to enter the IPC Config menu.

5.In the Networking tab of the IPC Config menu, you will need to change the settings of the camera to match your router settings:

In the IP field, type in the same IP address that appeared as the IPv4 Address on your ipconfig results, but label the last three digits to a larger value such as 211. Each IP Camera must have a different set of last three digits of the address in the IP field.

In the Gateway field, type in the same numbers that appeared as the Default Gateway in your ipconfig results.

In the Sub Mask field, type in the same numbers that appeared as the Subnet Mask on your ipconfig results.



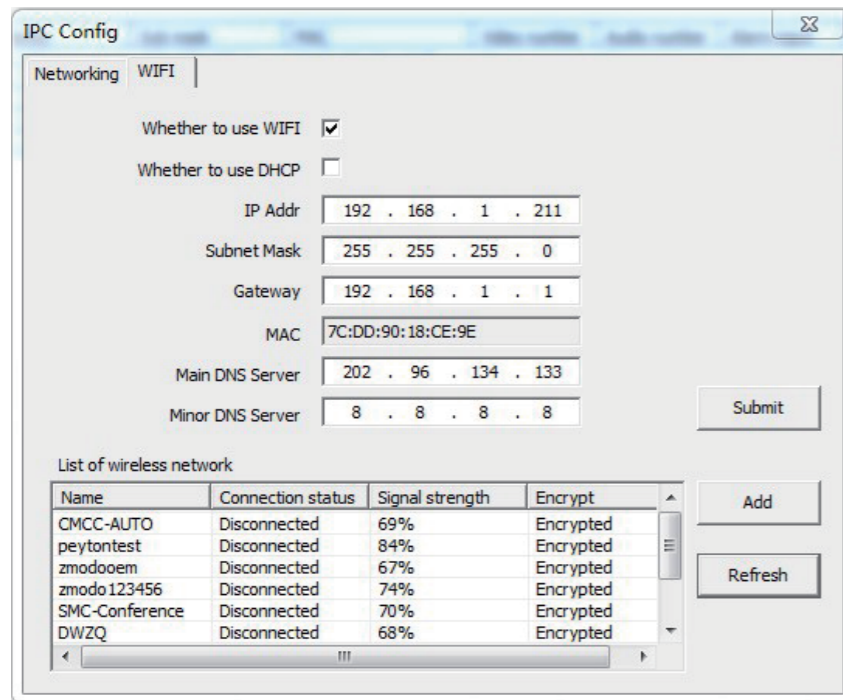
Click "Save", then click the red X to exit out of the IPC Config menu.

6.Next, open an Internet Explorer browser and test this camera's connection. Type the IP Address as it appears in the IP field in the IPC Config menu into an Internet Explorer browser, including <http://> at the front of the IP Address. The address that you type into the Internet Explorer browser should look similar to this: <http://192.168.1.211>

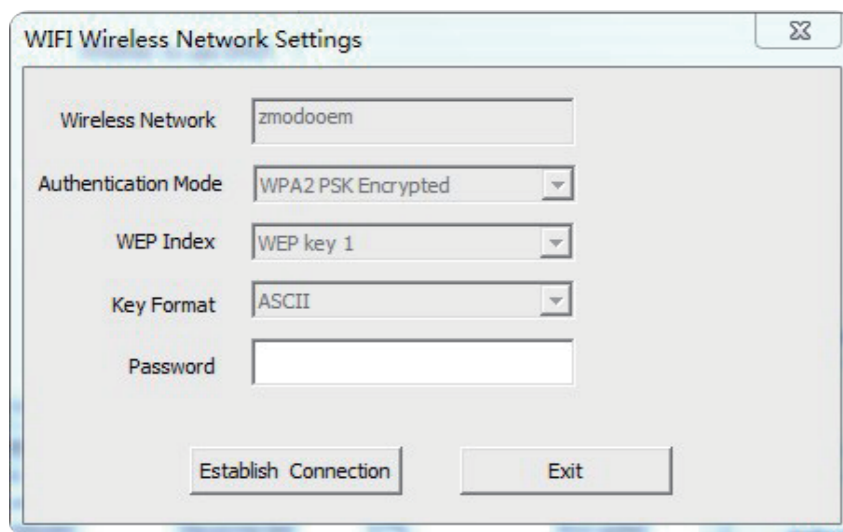
7.When Internet Explorer prompts you to allow add-ons, click "Allow" to run the necessary ActiveX controls.

8.If you see a **Internet Explorer cannot display the webpage** error, please back to **IPC Search** tool, repeat steps 4 - 6 and try entering a different set of three digits in the last segment of the IP Address when you save a new address in the IP field. If the browser loads for more than two minutes without arriving to a webpage, please open a new tab in Internet Explorer and try entering in the same IP Address in the address bar of the new tab. (Default username is **admin**, Default password is **111111**)

9.Once you have established a wired connection and can view the camera from Internet Explorer, now back to **IPC Search** tool, double click on the IP Camera that you just saved settings on, and click on the "Wifi" tab. Select the check box to enable Wi-Fi. Next, manually set the **IP Addr** field, **Subnet Mask** field, and **Gateway** field to match the settings that appear in the Networking tab of the IPC Config menu.



10.Click "Refresh" and a list of available Wifi networks will appear in the list. Double click the name of the Wifi network to enter the WIFI Wireless Network Settings menu. From this menu, enter your Wifi password and click "Establish Connection."



11.Click "Refresh" on the WIFI Wireless Network Settings menu, your camera should now show Connection Status: Connected. You may need to click "Refresh" more than once before the Connection Status reads: Connected. Now, you may remove the network cable from the camera and the camera should continue to communicate with the router wirelessly.

12.If the IP Address of the camera (as displayed on the IPC Search Tool) reverted back to its default setting of 192.168.0.XXX after removing the LAN cable from the camera, please repeat steps 4 - 11.

13.Repeat the above setup process for all remaining IP cameras so that all cameras can communicate wirelessly. Keep in mind that the last segment of each cameras' IP Address needs to be different to avoid an IP Address conflict.

Step 4: Configure NVR Network Setting

1.Power on the NVR and connect the NVR to an empty LAN port on your router using the included CAT5 network cable, and run the **IPC Search** tool program from a Windows PC that is connected to the same router as your NVR & IP Cameras.

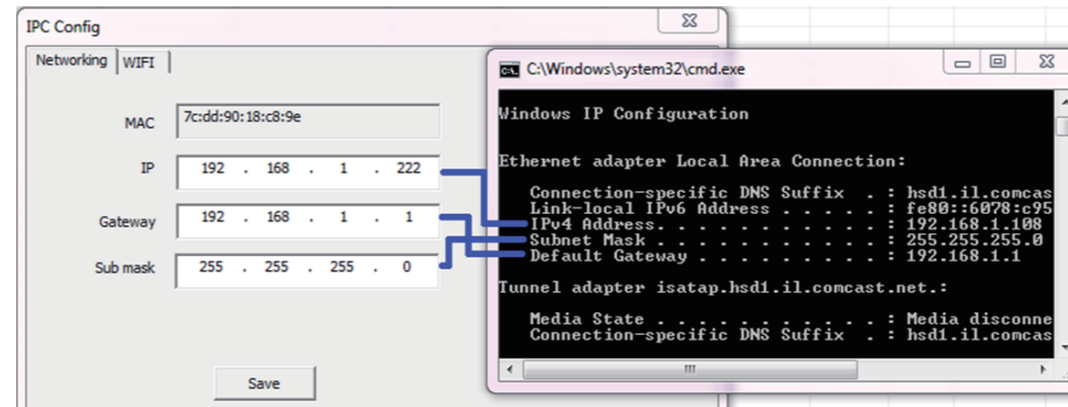
2.The **IPC search** tool will search out the NVR which is connected to the router. The initial factory setting of the NVR is 192.168.0.10. Double click on the NVR to open the IPC Config menu.

3.In the **IPC Config** menu, you will need to change the settings of the NVR to match your router settings:

In the **IP** field, type in the same IP address that appeared as the IPv4 Address on your ipconfig results, but label the last three digits to a larger value such as 222.

In the **Gateway** field, type in the same numbers that appeared as the Default Gateway on your ipconfig results.

In the **Sub Mask** field, type in the same numbers that appeared as the Subnet Mask on your ipconfig results.



4.Click "Save" to save these settings. Then, write down the IP Address as it appears in the IP field. You will need to type this address into an Internet Explorer browser in order to access your NVR's user interface.

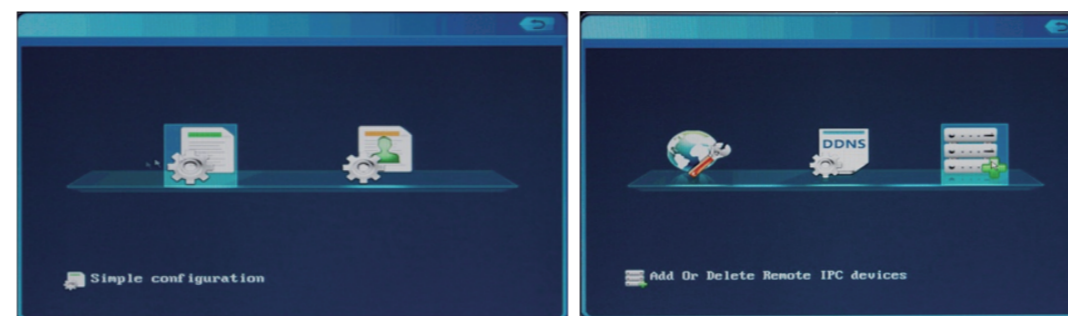
Step 5: Connect IP Cameras to NVR

1.Before connecting IP cameras to NVR, make sure all IP cameras connected to power source and have configured IP address in previous steps.

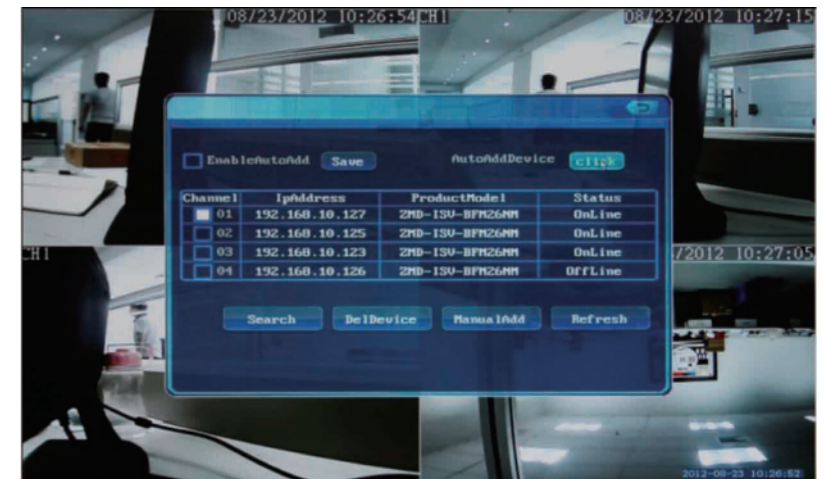
2.Powers on NVR, you will see the NVR log in interface, type in admin user name and password (Initial Default User: admin, Password: 111111)



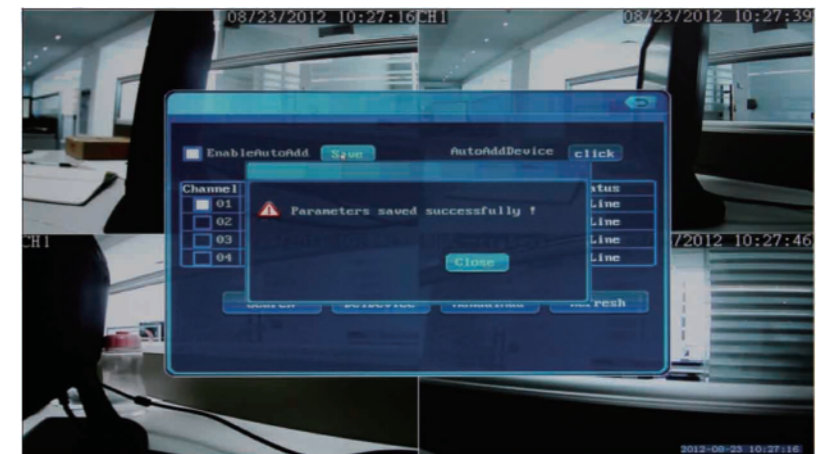
3.Click "simple configuration" icon (the left one), and click the icon of "add or delete remote IPC devices" (the third one) in the next interface.



4.Click "auto add device" icon to automatically search the IP cameras in LAN. System will automatically add up to four cameras at one time. Just wait 5-10 seconds, the video footage from IP cameras will be automatically shown on the screen.



5.Click "enable auto add" icon, and then click "save" to save parameters of these IP cameras on the NVR. A message stating "Parameters saved successfully" showing the data has been saved.



Step 6: Live View Footage of IPC on Internet Explorer

1.Open an Internet Explorer browser and test the NVR's connection. Type the IP Address as it appears in the IP field in the NVR's IPC Config menu into an Internet Explorer browser, including <http://> at the front of the IP Address. The address that you type into the Internet Explorer browser should look similar to this: <http://192.168.1.222>

2.When Internet Explorer prompts you to allow add-ons, click "Allow" to run the necessary ActiveX controls.

3.If the browser loads for more than two minutes without arriving to a webpage, please open a new tab in Internet Explorer and try entering in the same IP Address in the address bar of the new tab. (Default username is **admin**, Default password is **111111**)

4.Once logged into the NVR from an Internet Explorer browser, click on one of the white empty squares to highlight that square in orange. Next, double click on one of the channel icons on the left side of the screen to designate that specific camera to the square that is currently highlighted in orange. Repeat this step for any remaining channels.