

# Network Camera & IP Tool Simple Manual Rev 1.1



## IP Tool and Full Manual download link

- \* IP Tool : Webgate website → Support → Technical support → 'IPC network configuration tool' click
- \* Full Manual : Webgate website → Support → Download → Download after searching the model

### ※ Caution for install IP Tool

- ✓ Installable in Win10 64x 2004 version or later
- ✓ Internet connection required

## Starting

### Default value of products

- IP : 192.168.0.2
  - ID/PW : Created upon activation
  - DHCP : OFF
- (Refer to page 2 for activation instruction)

#### <Note>

- ◆ In case of NK2100,5100,8100 series, the password can be created after activation.
  - ✓ The activation process can be achieved just one time through IP Tool or webpage.
- ◆ The default account is vulnerable to security, so it is recommended to change it periodically.  
(The users are responsible for security and other issues arising from the use of the default account)
- ◆ To block viruses and malicious code, we recommend installation of antivirus program on your PC or smartphone to which the IP cameras are connected.

## Activating the camera

### (1) IP Tool

The screenshot shows the IP Tool interface with a table of discovered cameras. The first camera (192.168.109.102) is 'Activated', while the second (192.168.109.103) is 'Inactivated'. A red box highlights the 'Activate' button in the top toolbar. Another red box highlights the 'Inactivated' status in the table. A third red box highlights the 'Activate' dialog box, which contains fields for User ID, Password, and Confirm Password, along with a 'Start' button.

Discovered Cameras 51

IP Address	Activation	Model	HTTP
192.168.109.102	Activated	NK2100VD-IR-AF	80
192.168.109.103	Inactivated	NK2100VD-IR-AF	80
192.168.109.104	Activated	NK2100VD-IR-AF	80

**Activate**

User ID:

Password:

Confirm Password:

The password must be at least 9 characters and must be a combination of at least 3 of uppercase letters, lowercase letters, numbers and special characters.

- ① Check the status (Inactivated)
- ② Click on 'Activate' button of IP tool
- ③ Enter the account info and Click the 'Start'

### (2) Webpage

(2-1) Access to the camera's webpage requires that the PC and the camera use the same IP band.

The first screenshot shows the 'General' tab of the 'Advanced TCP/IP Settings' window. The 'Use the following IP address' option is selected, with IP address 192.168.1.10, Subnet mask 255.255.255.0, and Default gateway 192.168.1.1. A red arrow points from the 'Advanced...' button to the second screenshot. The second screenshot shows the 'IP Settings' window with the 'IP addresses' tab selected. The 'Add...' button is highlighted. A red arrow points from the 'Add...' button to the third screenshot. The third screenshot shows the 'TCP/IP Address' dialog box with IP address 192.168.0.200 and Subnet mask 255.255.255.0. The 'Add' button is highlighted.

Add IP bands in the same band as the camera's initial IP to the PC.

- ① Start → Control Panel → Network and Internet connections → Network connection → Local area connection (Ethernet) properties → Internet  
Click protocol version 4 (TCP/IPv4)
- ② Click 'Advanced' → 'IP address' on the 'IP settings' tab → Click 'Add'
- ③ Enter the IP address of the same band as the initial IP of the camera and add it (Example : 192.168.0.200)

(2-2) After adding the IP band, please access to camera's webpage for activation process.

The screenshot shows a web browser with the address bar set to http://192.168.0.2/. The webpage displays the 'User Setting' form with fields for User Name, Password, Confirm Password, User Type (Administrator), and Language (English). The 'Apply' button is highlighted.

- ④ Enter the IP initial value (192.168.0.2) in the web browser
- ⑤ Enter the account information and click the 'Apply'

## Changing IP address of the camera

The IP Tool allows you to assign the camera's IP address from the initial value to the address user need.

The screenshot shows the 'Change IP Address' dialog box. It includes fields for IP Address, Subnet Mask, Gateway Address, and DNS. A list of discovered cameras is shown with columns for Address, Serial, FW Version, HW Version, and DHCP. The 'Change IP' button is highlighted with a red box and a red circle with the number 5. The 'Start' button is highlighted with a red box and a red circle with the number 6. The 'admin' username and password field are highlighted with a red box and a red circle with the number 4. The 'Discover' button is highlighted with a red box and a red circle with the number 2. The 'Change IP' button is highlighted with a red box and a red circle with the number 5. The 'Start' button is highlighted with a red box and a red circle with the number 6.

- 1 Run IP Tool
- 2 Discover cameras automatically
- 3 Select camera to change IP address from the discovered list
- 4 Enter the account info of selected camera
- 5 Click on 'Change IP' button
- 6 Click on 'Start' after changing IP address

## Connecting to NVR

### (1) Local network connection

The screenshot shows the 'Network' configuration page. The 'Automatic Addressing (DHCP)' option is set to 'Off'. The 'IP Address' field is highlighted with a red box and a red circle with the number 1. The 'Net Mask' field is set to '255.255.255.0'. The 'Gateway' field is set to '192.168.0.1'. The 'IP Address2(PoE)' and 'UPnP Port Forwarding' buttons are also visible.

(System → Menu → Network)

- ① Set the NVR IP address to the same IP band of the camera.

The screenshot shows the 'Channel 1 Configuration' page. The 'Protocol' is set to 'ONVIF'. The 'IP or URL' field is highlighted with a red box and a red circle with the number 3. The 'Port' is set to '80'. The 'User ID' and 'Password' fields are highlighted with a red box and a red circle with the number 4. The 'Get Camera Information' button is highlighted with a red box and a red circle with the number 5. The 'Change Stream Config' option is highlighted with a red box and a red circle with the number 5.

(System → Menu → Device → Camera → Configuration)

- ② Search for IP camera connected to the network via 'Local IP camera search menu' after selecting a protocol
- ③ Or manually enter the camera IP address, account info and port
- ④ Click on 'Get camera information' to check if the information of model name, serial number, encoding type and resolution show
- ⑤ To change encoding type and resolution, please check 'change stream config' option

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### (2) PoE Connection

The screenshot shows the 'PoE Configuration' page. The 'Auto IP Configuration of PoE Port' is set to 'On'. The 'TLS' option is set to 'Off'. The 'User ID' and 'Password' fields are highlighted with a red box and a red circle with the number 4. The 'Get Camera Information' button is also visible.

- ① Set the IP of the camera to DHCP ON (can be set in camera's webpage)
- ② Set 'Auto IP configuration of PoE port' to 'On'
- ③ Enter the IP Camera's ID and password
- ④ Connect the camera's network port to the NVR's PoE port (no additional power required)

<Note>

- ◆ This feature is available in NVRs with PoE
- ◆ The IP address of cameras connected by PoE are automatically allocated in the same band as IP address2(PoE) (Example : If IP address 2 is 10.1.1.1, the camera's IP address is automatically assigned to 10.1.1.31)

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