2. NETWORK CONNECTION

Note: The screen capture displayed in the manual may vary from the one you actually see because different device with different model number may have different display. However, the system configuration method should be the same.

2.1 Install the software

Step1: Place the supplied CD into your CD-ROM or DVD-ROM drive. The program will be automatically run.

Step2: Click “Licensed Software AP” to install Video Viewer, or click “Download The Latest Version” under “Licensed Software AP” to download the latest version of Video Viewer from the Internet (if your PC is connected to Internet).

Step3: Follow the on-screen instructions to finish the installation. When the installation is completed, a shortcut icon 📺 will be placed on your PC desktop.

2.2 Network Connection via LAN

Step1: Connect your device (such as a DVR or network camera) and PC via a RJ45 network cable, and make sure the device is powered on.

Step2: Set the PC’s IP address as “192.168.1.XXX” (1~255, except 10).

For Windows 2000 users:

a) Select “Start” → “Settings” → “Network and Dial-up Connections”.

b) Right-click on “Local Area Connection”, and select “Properties”.

c) In the “General” tab, select “Internet Protocol (TCP/IP)”, and select “Properties”.

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For Windows XP and later versions:

a) Click “Start”.

b) Right-click “Network” icon in the taskbar, and select “Properties”.

c) In the “General” tab, select “Internet Protocol Version 4 (TCP/IPv4)”, and select “Properties”.

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d) In the “General” tab, select “Use the following IP address”, and set the IP address as described above.

![Internet Protocol (TCP/IP) Properties dialog box]

192.168.1.XXX
(1~255 except 10)

e) Click “OK” to close the “Internet Protocol (TCP/IP) Properties” dialog box. Then, click “Close” to close the “Local Area Connection Properties” dialog box.

For Windows XP users:

a) Select “start” → “All Programs” → “Control Panel” → “Network and Internet Connections” → “Network Connections” (If you’re in “Category View”).

![Control Panel Network and Internet Connections]

b) In “LAN or High-Speed Internet”, right-click on “Local Area Connection”, and select “Properties”.

![Properties dialog box]

c) In the “General” tab, select “Internet Protocol (TCP/IP)”, and select “Properties”.

d) In the “General” tab, select “Use the following IP address”, and set the IP address as described above.

e) Click “OK” to close the “Internet Protocol (TCP/IP) Properties” dialog box. Then, click “Close” to close the “Local Area Connection Properties” dialog box.

For Windows Vista users:

a) Select (start) → “Control Panel” → “Network and Internet” to enter the “Network and Sharing Center”. Then, click “Manage network connections” (If you’re in “Category View”).

![Manage network connections dialog box]
b) Right-click on “Local Area Connection”, and select “Properties”.

c) In the “General” tab, select “Internet Protocol Version 4 (TCP/IPv4)”, and select “Properties”.

d) In the “General” tab, select “Use the following IP address”, and set the IP address as described above.

e) Click “OK” to close the “Internet Protocol Version 4 (TCP/IPv4) Properties” dialog box. Then, click “Close” to close the “Local Area Connection Properties” dialog box.

Step3: Double-click on your PC desktop to open Video Viewer. By defaults, the “Address Book” panel will be displayed on the right side of the control panel.

Step4: Click to key in the default IP address, user name, password, and port number of the device you intend to connect. The default values are as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Default Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP address</td>
<td>192.168.1.10</td>
</tr>
<tr>
<td>User name</td>
<td>admin</td>
</tr>
<tr>
<td>Password</td>
<td>admin</td>
</tr>
<tr>
<td>Port</td>
<td>80</td>
</tr>
</tbody>
</table>

OR

Click to search the available IP address(es) of other DVR(s) under the same domain as your PC’s IP address. The found address(es) will be listed, and can be added into the address book by clicking .

Step5: Double-click the IP address you just added into the address book to log in.
2.3 Network Setting

**Note:** It’s recommended to have the qualified installer to plan and configure the network setting.

Step 1: Click “Configure” to show the “General setting and utilities” dialog box, and click “Remote Config” twice to enter the setting page.

Step 2: Select “Network” to make network settings based on your network environment. There are three network connection types: Static IP, PPPOE, and DHCP.

**Note:** The device doesn’t support POE router or hub.

*For Static IP:*

a) Enter the information of “Server IP”, “Gateway” and “NetMask” obtained from your ISP (Internet Service Provider).

b) Enter the port number. The valid number ranges from 1 to 9999. The default value is 80. Typically, the TCP port used by HTTP is 80. However in some cases, it is better to change this port number for added flexibility or security.

c) Click “Apply”, and click “OK” to exit the setting page.

*For PPPOE:*

a) Go to “Network” → “DDNS”, and select “default” in the “System Name” drop-down list.

b) In “Hostname”, keep the default value, i.e. the MAC address of the device, or change the name to a meaningful one. It’s easier to memorize.

c) Note down the whole address of the device, for example, MAC000E53114389.ddns.dvrtw.com.tw.

**Note:** If “default” is not available, please subscribe a DDNS account from a website which provides free DDNS service. For details, please refer to “APPENDIX 2 SUBSCRIBING DDNS SERVICES” at page 39.
d) Go to “Network” and select “PPPOE”. Then, enter the user name and password subscribed from your ISP.

e) Click “Apply”, and click “OK” to exit the setting page.

For DHCP:
a) Finish the DHCP router setting. 
Get a router and connect it to the Internet via your PC (with Static IP or PPPoE setting). There are different setting methods for different routers. Please refer to their respective user manuals.
b) Go to “Network” – “DDNS”, and select “default” in the “System Name” drop-down list.
c) In “Hostname”, keep the default value, i.e. the MAC address of this device, or change the name to a meaningful one. It’s easier to memorize.
d) Note down the whole address of the device, for example, MAC000E53114389.ddns.dvrtw.com.tw.

Note: If “default” is not available, please subscribe DDNS services from a website which provides free DDNS service. For details, please refer to “APPENDIX 2 SUBSCRIBING DDNS SERVICES” at page 39.

e) Go to “Network” and select “DHCP”.

f) Click “Apply”, and click “OK” to exit the setting page.

Step3: Disconnect your device and your PC, and connect them to Internet separately.
Step4: Add the IP address or host name of your device in of Video Viewer with correct user name and password, and click it twice to see if you can access to your device.
2.4 Change the password

It’s recommended to change the default password for the first time usage in case of any unauthorized access.

Step1: Click “” to show the “General setting and utilities” dialog box, and click “Remote Config” twice to enter the device setting page.

Step2: Click “General” → “Account”, and select the default account. Change the password directly, and click “Apply”.

Step3: Return to the live view, and click “” to disconnect the device.

Step4: Click “” to select the IP address of the device, and click “” to enter the setting page and modify the password. Then, click “Login” to access the device with the new password.
For PPPOE or DHCP, you should enter the host name which points to the IP address of your device for login first. Besides using the default DDNS service, you can also apply for new DDNS services.

There are many websites for free DDNS service application, and below shows an example of DDNS account application from the website http://www.dyndns.com.

Step1: Go to http://www.dyndns.com, and click “Create Account” to sign up a DDNS account.

Step2: Enter all the information necessary for signing up an account according to the website instructions.

- Key in a user name for login, for example, headoffice523.
- Set the password and input it again to confirm.
- Key in your E-mail address and input it again to confirm.

Then, click “Create Account”.

Step3: The system will automatically send a confirmation email to your email account. Please read this email within 48 hours and complete the procedure to activate your account according to the instructions in the email.

When the account is confirmed, you will see “Account Confirmed”. Your account is created successfully now.
Step 4: Click "login", and enter the user name and password you preset before to log in.

Step 5: Click “Add Host Services”.

- Input a meaningful host name.
- Choose a host name.
- Enter the IP address you want to redirect.

Note down the whole host name, for example, headoffice523.dyndns.org. Then, click “Add To Cart” for billing.

**Note:** This service is free. Just finish the billing process, and **NO** paying information is required.

Step 6: Click “Activate Services” after checkout, and you’re ready to use DDNS services now.

Step 7: Return to Video Viewer, and go to “Network” → “DDNS”.
- Select “On” for DDNS.
- Select the system name you set when subscribing the DDNS service from the drop-down list, for example, dyndns.
- Enter the user name & password you used to log into the DDNS service.
- Enter the host name you set when subscribing the DDNS service, for example, headoffice523.