

# ***AVI322 / 321 / 311***

## ***Network Camera Series***

### ***Quick Guide***



All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly "lead-free" and without the hazardous substances cited in the directive.



The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste. Contact your local dealer for procedures for recycling this equipment.

Please read instructions thoroughly before operation and retain it for future reference.

For the actual display & operation, please refer to your product in hand.




# 1. PACKAGE CONTENTS

• **AVI322 / 321**

<input checked="" type="radio"/> <b>In the camera package:</b>	
<input type="checkbox"/> Speed dome camera	<input type="checkbox"/> User Manual
<input type="checkbox"/> CD-ROM disc (including user manuals & CMS software "Video Viewer")	

<input checked="" type="radio"/> <b>In the bracket package (Optional) :</b>	
<input type="checkbox"/> Wall mounting screws x 4	<input type="checkbox"/> Wall plugs x 4
<input type="checkbox"/> Cap x 1	<input type="checkbox"/> Bracket screw x 1
<input type="checkbox"/> M6 Nylok screws (short) x 2	<input type="checkbox"/> M6 Nylok screws (long) x 3
<input type="checkbox"/> M4 screw x 1	<input type="checkbox"/> Mounting base screw x 2
<input type="checkbox"/> Spirit level x 1	<input type="checkbox"/> Hex screw nuts x 3

• **AVI311**

<input type="checkbox"/> Network camera	<input type="checkbox"/> Screw * 3	
<input type="checkbox"/> Quick Start	<input type="checkbox"/> Wall Plug * 3	
<input type="checkbox"/> CD Manual (including user manual & licensed software "Video Viewer")	<input type="checkbox"/> Decoration Cover * 3	

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**Note:** The DC12V 1A adapter, power cord and RJ45 network cable are not included with the sales package. Please prepare by yourself.

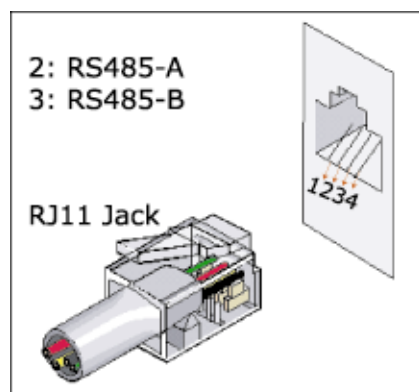
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## 2. INSTALLATION & SETUP

### 2.1 CONNECTOR OVERVIEW



CONNECTOR	DESCRIPTION
Power Connector	Connect the DC 12V adapter for power supply.
Video Output Connector	Connect to the video input connector of your monitor with a video cable (i.e. a RCA line with the BNC connector, or a coaxial line) for video output. * The video cable is not included with the sales package.
Audio Input Connector	Support the connection to an audio device, such as a microphone, for voice transmission of the local side. * The audio function is currently not available.
RJ11 Connector	Get a RJ11 line with the proper length to your connection. Different RJ11 line may have different line layout, so the connection might be different. If you cannot control the PTZ network camera after connection, please reverse the RJ11 line layout and try again.
RJ45 Jack Connector	Get a R45 network cable with the proper length to your connection. And connect the network camera to the network.



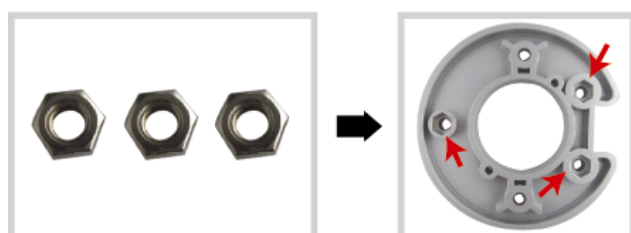
## 2.2 Install the Hardware (For AVI322 / 321)

Before installation, you need the following items before installation:

- Bracket & mounting base (supplied with the bracket sales package)
- The accessory packages supplied with the bracket sales package, including:
 

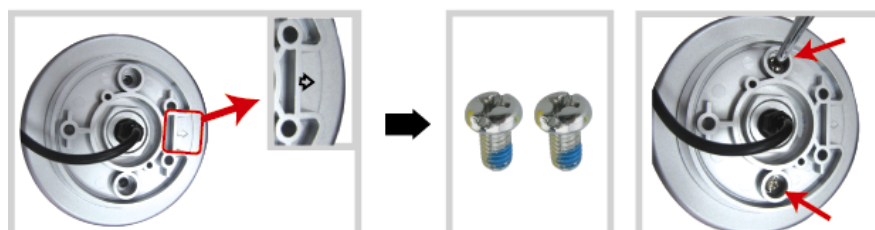
(1) Wall mounting screws x 4	(2) Wall plugs x 4
(3) Cap x 1	(4) Bracket screw x 1
(5) M6 Nylok screws (short) x 2	(6) M6 Nylok screws (long) x 3
(7) M4 screw x 1	(8) Mounting base screw x 2
(9) Spirit level x 1	(10) Hex screw nuts x 3
- Power Drill

**STEP 1: Put hex screw nuts to the reserved holes on the camera-mounting base as indicated below.**



- a). Find the camera-mounting base and the supplied three hex screw nuts in the bracket package.
- b). Find the reserved holes for hex screw nuts on the camera-mounting base, and push each nut into each reserved hole hardly.

**STEP 2: Attach the camera-mounting base to the speed dome camera.**



- a). Put all the cables through the hole of the camera-mounting base.
- b). Align the breach of the camera-mounting base with the arrow mark on the camera, and use two small M6 Nylok screws to fix the camera-mounting base to the camera.

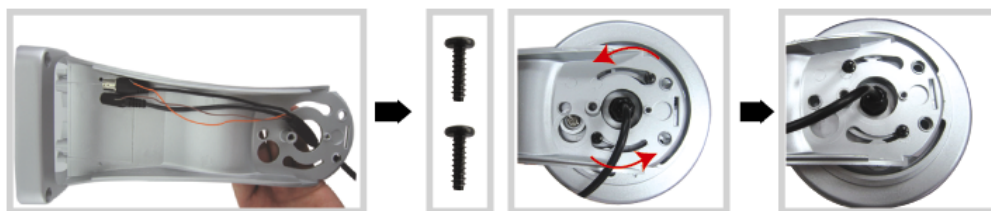
**STEP 3: Attach the bracket to the wall.**



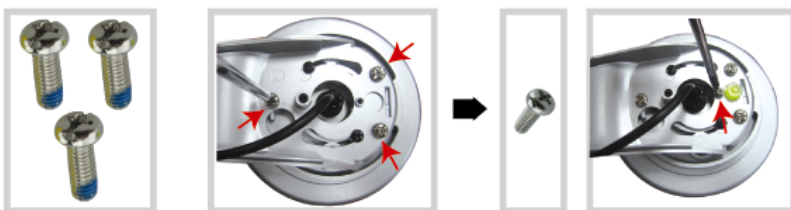
- a). The bracket is composed of two parts: the upper part and the bottom part. Remove the upper part by loosening the screw on it. Use the four mounting screws and wall plugs to attach the bottom part to the wall, as shown in the picture below.
- b). Use the spirit level supplied with the bracket package to check the surface is horizontal or not. If the surface is horizontal, the bubble will remain in the center circle of the spirit level.
  - e). When you make sure the surface is horizontal, use the **M4 screw** supplied with the bracket package to fix the camera and the bracket tightly.



**STEP 4: Attach the camera to the bracket.**

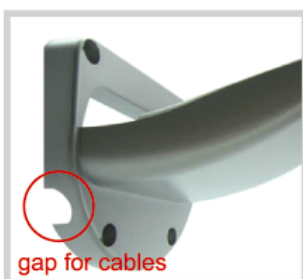


- a). Put the cables through the hole of the bracket.
- b). Attach the camera to the bracket with the two mounting base screws, and rotate the camera as indicated below. The camera will be hooked on the bracket.



- c). Slightly secure the camera and the bracket with the supplied three long M6 Nylok screws.
- d). Use the spirit level to check the surface is horizontal or not, and adjust the tightness of the three M6 Nylok screws.
- e). When you make sure the surface is horizontal, use the M4 screw supplied with the bracket package to fix the camera and the bracket tightly.

**STEP 5: Connect the power, video, network & reset cables.**



- a). Put the cables through the gap and connect the camera with the indicated power adapter, video cable, network cable.
- b). After connection, use the insulation tape to cover the connected wires and arrange the cables in the proper position again.

**STEP 6: Replace the upper part of the bracket, and finish the installation.**



- a). Place the upper part of the bracket back to the bottom part of the bracket, and fasten the bracket with the screw indicated above.
- b). Then use the cap supplied with the package to cover the screw hole and finish the installation.

**2.3 Install the Hardware (For AVI311)**

Before installation, you need the following items before installation:

- The accessory package which includes:
  - (1) Wall mounting screws
  - (2) Wall plugs
  - (3) Decoration covers
- Power Drill or screwdriver

**STEP 1: Mount the camera to the ceiling.**

Attach the camera to the ceiling, and fasten the camera with the supplied 3 screws.



**STEP 2: Push the decoration covers to the camera to lock.**

When the camera is mounted, find the supplied 3 decoration covers in the accessory package, and push them to the camera to lock as shown below.



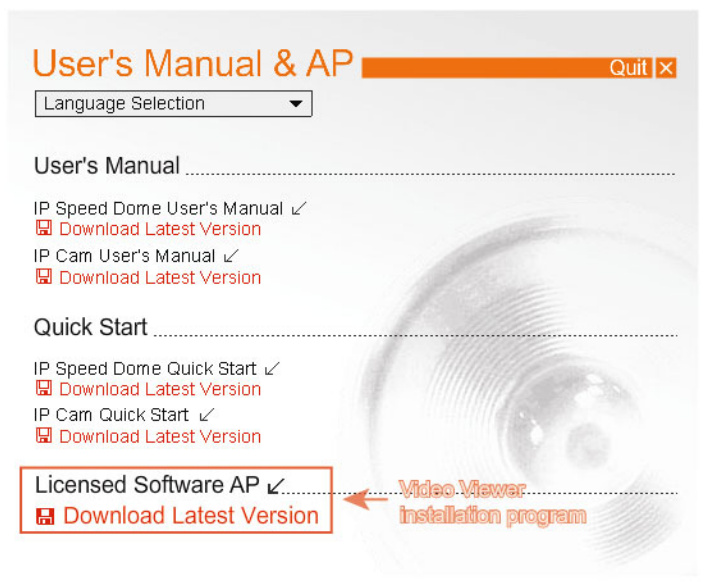
**STEP 3: Connect the power, video, audio, RJ11, RJ45 connectors.**


Please refer to Step 4 in “2.2 Install the Hardware (For AVI322 / 321)”.

## 2.4 Log In and Access the Camera

### Step 1. Install the Software.

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





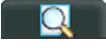




- b) Click “Licensed Software AP” to install Video Viewer, or click “Download Latest Version” under “Licensed Software AP” to download the latest version of Video Viewer from the Internet.
- c) Follow the on-screen instructions to finish the installation. When the installation is completed, a shortcut icon “” will be placed on your PC desktop.

### Step 2. Connect the network camera to the Internet via a RJ-45 network cable.

### Step 3. Enter the IP address of the camera for login.


There are two ways to enter the IP address of the camera as follows:

• Search the available IP address to login

- a) Double-click  icon on your PC desktop to enter the Video Viewer control panel. By defaults, the “Address Book” () panel will be displayed on the right side of the Video Viewer control panel.
  - b) Click  →  to search the available IP address(es). The found address(es) will be listed, and can be added into the address book by clicking .
- For details, please see  at page 10.
- c) Select the IP address you just added into the address book, and click  to edit the settings.
  - d) Double-click the IP address in the address book for login.



**Note:** For detailed network settings under different network types (Static IP / PPPOE / DHCP), please refer to your user manual.

• Add the IP address and other network settings for login

- a) Double-click  icon on your PC desktop to enter the Video Viewer control panel. By defaults, the “Address Book” panel will be displayed on the right side of the Video Viewer control panel.


The default network camera settings are as follows:





Item	Default Setting
IP Address	192.168.1.10
User Name	admin
Password	admin
Port Number	80


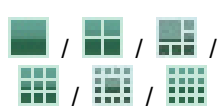









- b) Click  →  to key in the IP address, user name, password, and port number of the network camera you intend to connect.
- c) Double-click the IP address you just added into the address book for login.

## 3. VIDEO VIEWER BASIC OPERATION

### 3.1 The Live View Page

After setting up the network information, login user name and password, double-click “

<ul style="list-style-type: none"> <li>Connect to only one network camera</li> </ul>	<ul style="list-style-type: none"> <li>Connect to multiple network cameras (ex. 4 cameras)</li> </ul>
<ul style="list-style-type: none"> <li>1-cut display </li> </ul>	<ul style="list-style-type: none"> <li>4-cut display </li> </ul>
	

NO.	Button	Function	Description
①		Image Display	To switch to another camera view if two or more network cameras are connected, click the corresponding blue tab. The camera title shown in the blue tab can be customized (For example, “321”, “311”, “Play1” and “Digi”). The default camera title is “Camera1”.
		Expand All Views	To see all views in the image display area if you have many views and do not want to switch each view by clicking the blue tab described above, click to choose a proper split view (1-cut / 4-cut / 6-cut / 9-cut / 13-cut / 16-cut) which best suits your needs. The selected view will be indicated with a red frame around it.
		Original Size	Click to return to original size of the monitoring view.
		Close	Click to close the current image display view. If the image display view is closed, you will be logged out automatically.
		Close All	Click to close all the current image display view. If the image display view is closed, you will be logged out automatically.
②		Address Book	Click to show the predefined IP address(es). You can add, remove or search the IP address to login the network camera remotely.
③		Miscellaneous Control	Click to show the main operation functions: audio volume control, color setting, backup, record setting, server setting, upgrade, and find status log list.
④		Record	Click to start / stop the manual recording.
⑤		Snapshot	Click to take a snapshot of the current view. The snapshot will be saved in the path you specified in Record Setting.
⑥		Information	Click to show the current network connection details.
⑦		PTZ	Click to show the PTZ control functions: auto tracking, auto move, auto pan, zoom in, zoom out, focus near and focus far ...etc.

### 3.2 Address Book

This view is displayed when the Video Viewer is activated for you to log in / out the network camera from the current address list, or search the available IP address as follows:


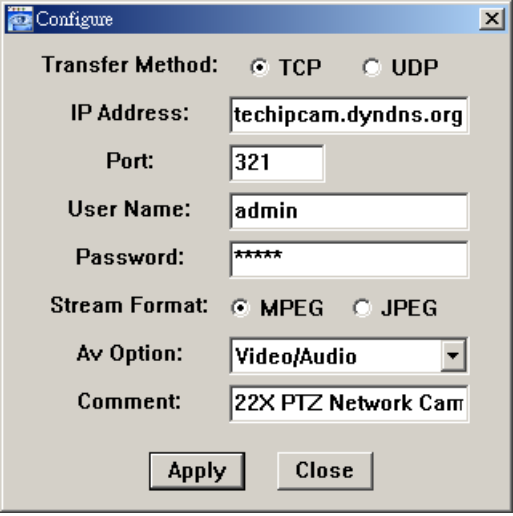





➤  **(Address Book)**

Click to view the pre-defined network camera access details.




To login, choose one IP address from the address list, and click the address twice; to logout, click the connected IP address twice.

You can also create new IP address information, or modify or remove the current IP address information.

Button	Function	Description
	Add	Click to directly add one IP address for login. Key in all the network camera access information needed, and click "Apply" and "Close" to add the selected address to the address book. 
	Edit	Select one current IP address from the address list, and click this button to edit the settings.
	Remove	Select one IP address from the address list, and click this button to delete it.
	Record	Check this checkbox to enable the record settings. For details, please refer to your user manual. The default setting is unchecked.



➤  **(Search IP Address)**

Click to search and view the available IP address(es) for the network connection. You can choose one address to add into the address book, edit the details, or update the address list.

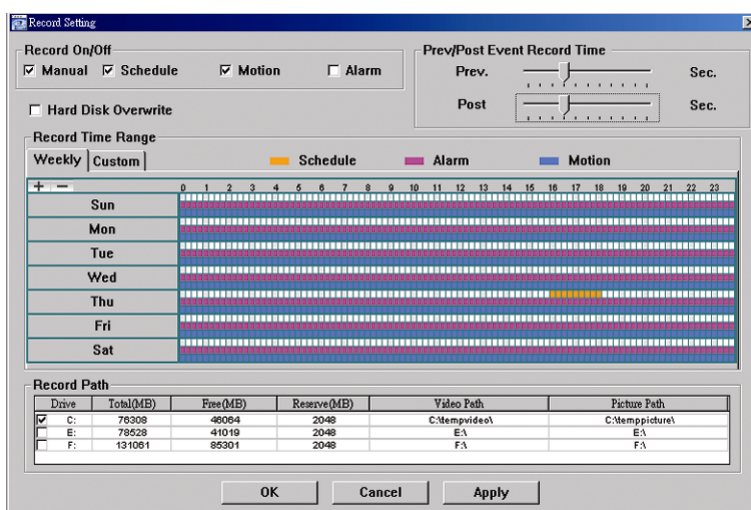
Button	Function	Description
	Add into address book	Select from the available IP address list, and click this button. Key in the network camera access information needed, and click “Apply” and “Close” to add the selected address to the address book.
	Setting	Select from the available IP address list, and click this button to edit the setting.
	Refresh	Click to update the available IP address list.

### 3.3 Manual Record


1) Choose the record type and assign the file saving location

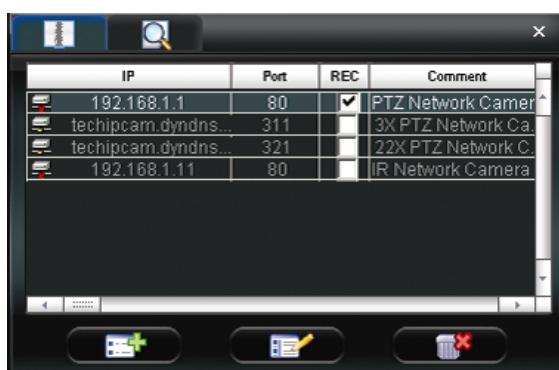
Click “” (Miscellaneous Control) → “” (Record Setting) to go to the “Record Setting” page. Check the record type(s) (Manual), and assign the location to save the recordings by double-clicking the “Video Path” cell.

**Note:** Make sure a record path is chosen, and the available disk capacity (Free (MB)) is larger than the reserved capacity (Reserve (MB)). The minimum reserved capacity is 2048MB.




2) Enable the record settings



Once the “Manual” checkbox is checked in the “Record On/Off” section, checked the “REC” box in the address book panel “” to enable the record settings.

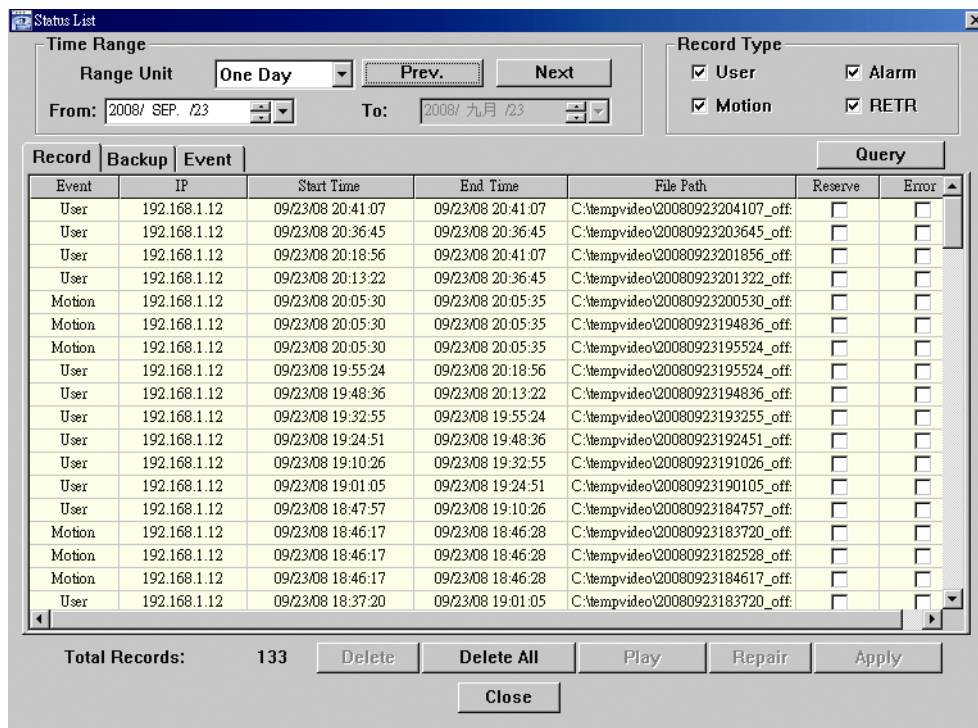


3) Click “” (Record) button to start manual recording

Click “” (Record) on the main control panel to start the manual recording immediately, and the recordings will be saved in the specified location. When the record function is started, a flashing indication icon will be shown at the bottom right corner of the image display view.

### 3.4 Playback

To play a recording, click “” (Miscellaneous Control) → “” (Status List), and select the “Record” tab. A list of all the recordings will be shown by defaults, and you can also sort out the logs you want to speed up the search time. For details, please refer to your user manual.



To immediately play a recording file, select a log from the list, and click “Play”, or double-click the selected log. Then, the playback control panel will be shown at the bottom of the main control panel similar to the following.

For the playback control panel details, please refer to your user manual.

