

Panasonic

Getting Started

Network Camera Indoor Use Only

Model No. **BB-HCM381 (AC Adaptor Type)**
BB-HCE481 (PoE Type)

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Abbreviations

- UPnP is the abbreviation for "Universal Plug and Play".
- "Network Camera" is called "Camera" in this manual.
- "Setup CD-ROM" is called "CD-ROM" in this manual.

Please read the Important Information before using.

- This Getting Started explains how to connect and set up the camera. See the Installation Guide for mounting, and see the Operating Instructions on the CD-ROM for details about the camera's features.
- The CD-ROM provides Getting Started in the following languages: English, French, German, Italian, Spanish, Russian, Simplified Chinese and Korean.
- If you cannot complete the setup, see Troubleshooting on the CD-ROM.

This manual is for both BB-HCM381 (AC Adaptor Type) and BB-HCE481 (PoE Type). Available features and operations are different in part depending on the model. Read the Operating Instructions on the CD-ROM carefully and use the camera properly.

BB-HCM381 User: See below.

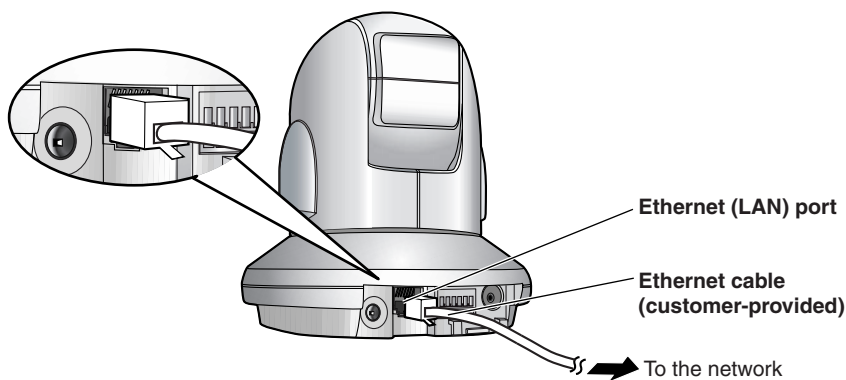
BB-HCE481 User: Go to page 2.

1. Connect the camera (BB-HCM381), and turn the camera on.

Connect the camera to your router using a "straight" Cat5 Ethernet cable (customer-provided) to set up the camera.

- Before you begin the installation, the UPnP™ feature in your router needs to be enabled. Usually, the default setting disables this feature. For more info, please visit, <http://panasonic.co.jp/pcc/products/en/netwkcaml/> or contact your router's manufacturer.

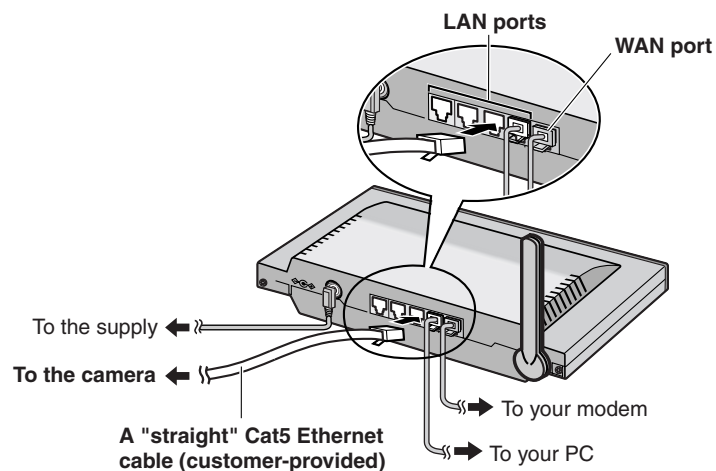
① Connect the Ethernet cable (customer-provided) to the camera.



Note

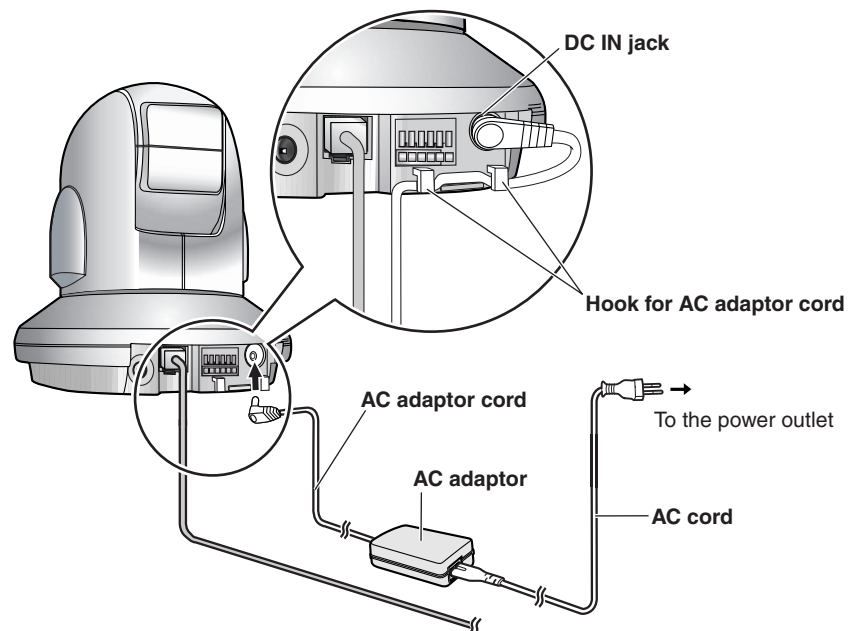
- These instructions assume that your PC is already connected to the Internet and your network includes a router that is UPnP™ (Universal Plug and Play) compliant.

② Connect the Ethernet cable (customer-provided) to your router.

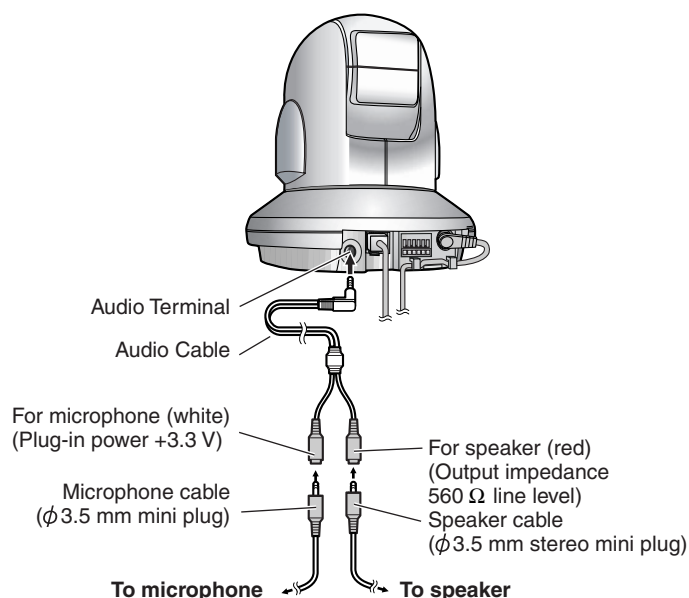


③ Connect the AC adaptor cord to the DC IN jack, and plug the AC cord into the power outlet.

- When you operate the camera, the power outlet should be near the camera and easily accessible.
- Use only the specified Panasonic AC adaptor PSLP1242 (Order No. PSLP1242Z).
- If the camera's indicator does not light green, see pages 3-4 of Troubleshooting on the CD-ROM.
- A noise can be heard during pan/tilt operation. This is normal.

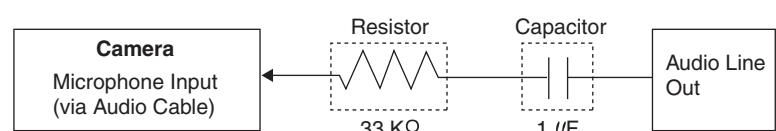


Connecting an External Microphone or Speaker



Note

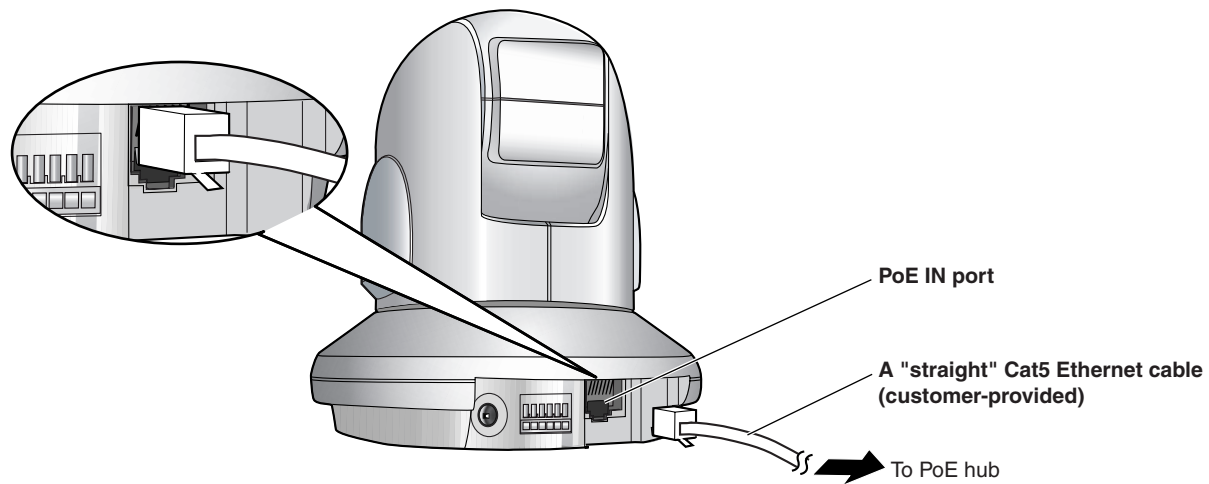
- If you use an external microphone, excessive cable length or a poor quality cable can cause a degradation in audio quality.
- The cables for the external microphone and external speaker must be shielded, and less than 2.4 m long including the included Audio Cable. Using nonstandard cables may cause sound interference due to strong radio waves.
- Use a speaker with a built-in amplifier. The speaker connects to the camera with a stereo audio cable similar to that used by your PC. The output signal is mono.
- Make sure the camera and speaker are turned off when connecting or disconnecting the Audio Cable or speaker cable, otherwise noise may be heard from the speaker.
- Use only the included Audio Cable when connecting an external microphone or speaker.
- The external microphone input (via the Audio Cable) does not correspond to a line level. Audio may be distorted when the line level is input. Audio distortion will be solved if you insert the following circuits. Under no circumstance should high-level audio, such as from a speaker, be connected to this input terminal. Doing so is likely to damage the camera.



1. Connect the camera (BB-HCE481), and turn the camera on.

Connect the camera to your PoE (Power over Ethernet) hub using a "straight" Cat5 Ethernet cable (customer-provided) to set up the camera.

① Connect the Ethernet cable (customer-provided) to the camera.

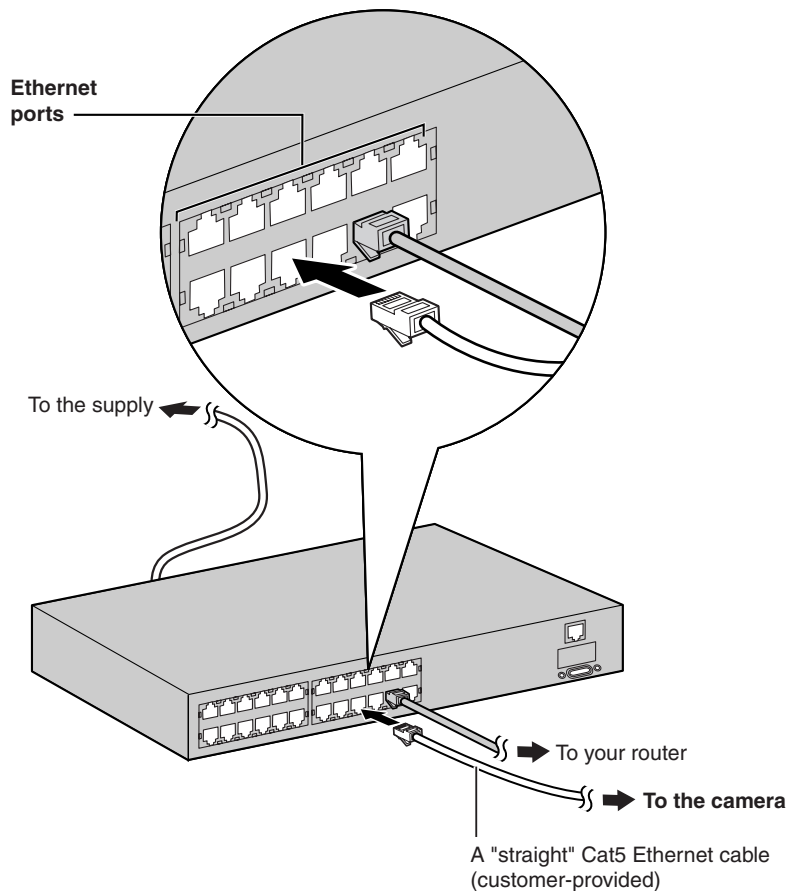


Note

- Your PoE hub must be connected to the router. Refer to the manuals of the PoE hub for the instructions of the connection. Additionally, these instructions assume your PC is already connected to the Internet and your network includes a router that is UPnP™ (Universal Plug and Play) compliant.

② Connect the Ethernet cable (customer-provided) to your PoE hub.

- If the camera's indicator does not light green, see pages 5-6 of Troubleshooting on the CD-ROM.
- A noise can be heard during pan/tilt operation. This is normal.



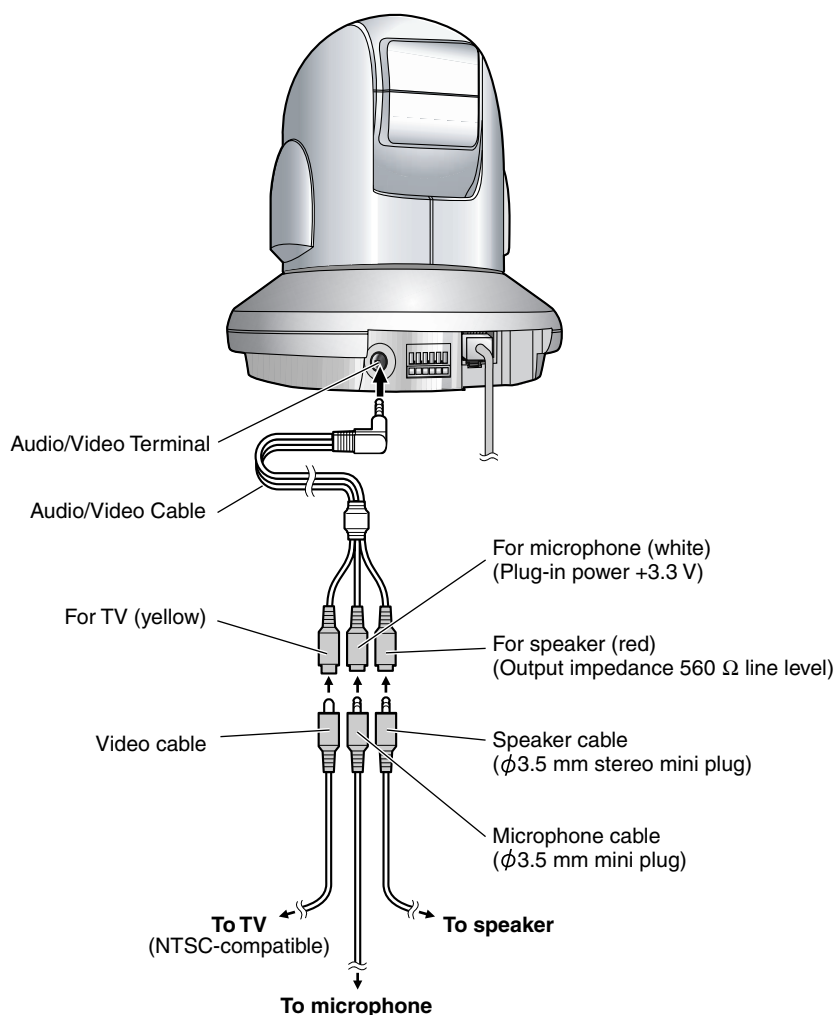
Note

- Use a 4-pair UTP/STP cable.
- Do not use a relay connector or a hub between the camera and the PoE hub. These devices may disturb the data or electricity transmission.
- If the PoE hub has indicators, the indicator lights on as shown in table below.

Indicator	Description
LINK	Turns on when the data is transmitted from the camera.
PoE	Turns on when the electricity is supplied to the camera.

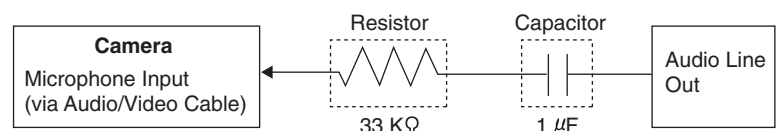
- If the PoE hub is turned off or power supply is temporarily cut off by the disconnection of the Ethernet cable, it may take time for the PoE hub's indicators to light green.
- The indicator display differs depending on manufacturers. Refer to the manuals of the PoE hub.

Connecting an External Microphone, Speaker or TV



Note

- The camera uses the NTSC system for its video output signals. Use an NTSC-compatible TV.
- If you use an external microphone, excessive cable length or a poor quality cable can cause a degradation in audio quality.
- The cables for the external microphone and external speaker must be shielded, and less than 2.4 m long including the included Audio/Video Cable. Using nonstandard cables may cause sound interference due to strong radio waves.
- Use a speaker with a built-in amplifier. The speaker connects to the camera with a stereo audio cable similar to that used by your PC. The output signal is mono.
- Make sure the camera and speaker are turned off when connecting or disconnecting the Audio/Video Cable or speaker cable, otherwise noise may be heard from the speaker.
- Use only the included Audio/Video Cable when connecting an external microphone, speaker, or TV.
- When the camera is in color night view mode, images may not be displayed correctly on the TV.
- The external microphone input (via the Audio/Video Cable) does not correspond to a line level. Audio may be distorted when the line level is input. Audio distortion will be solved if you insert the following circuits. Under no circumstance should high-level audio, such as from a speaker, be connected to this input terminal. Doing so is likely to damage the camera.



2. Setting up the Camera to View on the LAN.

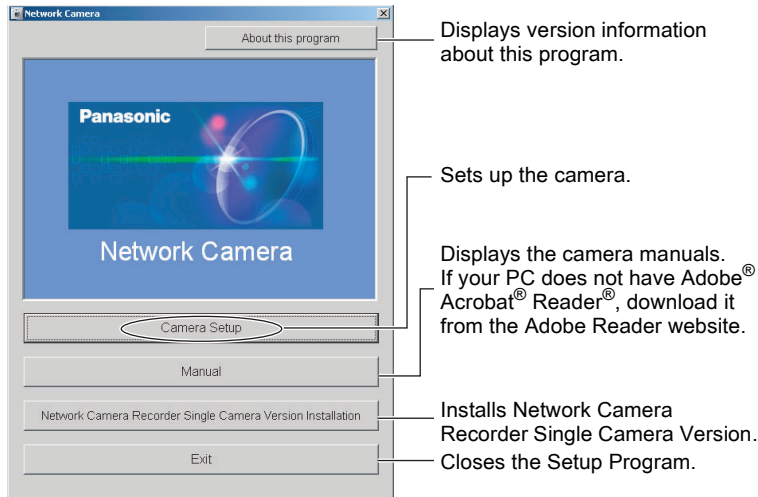
Important

- To avoid any possible problems, temporarily disable any firewall or antivirus software.
- This procedure explains installation of the camera on the same network as your PC.
- Before proceeding, close your web browser.
- See page 186 of the Operating Instructions on the CD-ROM for details about CD-ROM.

① Insert the CD-ROM into the CD-ROM drive of the PC.

(If the Network Camera Setup window is not displayed automatically, double-click the "Setup.exe" file on the CD-ROM.)

② Click [Camera Setup].

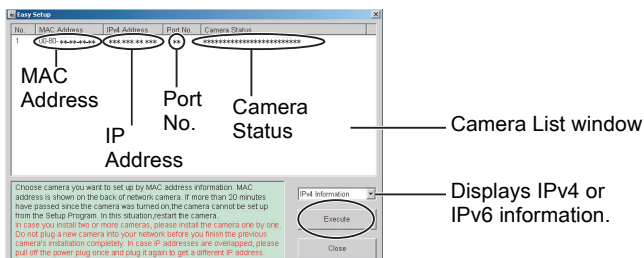


- If a Windows Security Alert is displayed, click [Unblock].



③ Select the camera to set up and click [Execute].

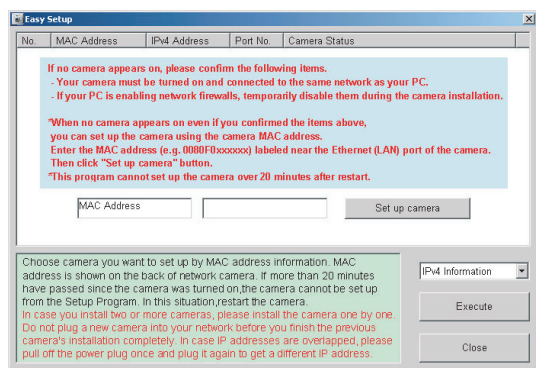
- This program searches for the cameras that are connected to the router and displays their MAC Addresses, IP addresses and Port Numbers.



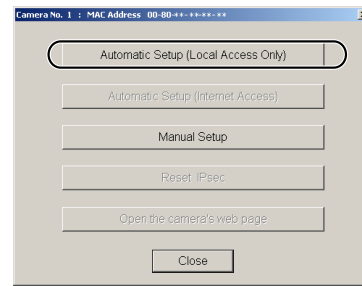
- The MAC Address (see page 15 [BB-HCM381] or page 17 [BB-HCE481] of the Operating Instructions on the CD-ROM) on the bottom of the camera shows which camera you select on the camera list window.

Note

- If the indicator does not light green, check the connection (see page 1 [BB-HCM381] or page 2 [BB-HCE481]).
- If more than 20 minutes have passed since the camera was turned on, the camera cannot be set up from the Setup Program. In this situation, turn the camera off, and turn the camera on again.
- The Setup Program may not list any cameras due to your firewall or antivirus software settings on your PC. If you cannot disable your firewall or antivirus software, you can set up the camera by entering the camera MAC address on the following window. The camera's MAC address can be found on the label affixed to the bottom of each camera. See page 15 [BB-HCM381] or page 17 [BB-HCE481] of the Operating Instructions on the CD-ROM for details.

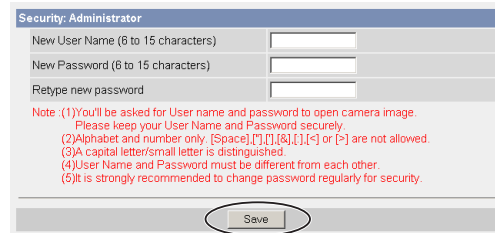


④ Click [Automatic Setup (Local Access Only)].



- See page 186 of the Operating Instructions on the CD-ROM for manual setup.

⑤ Enter the user name and password, and click [Save].



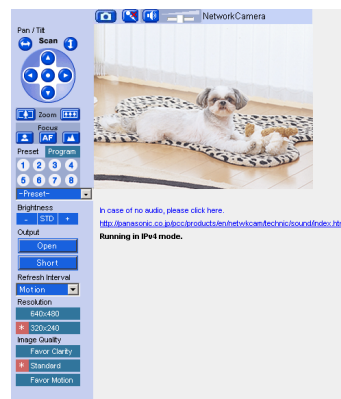
- The password must be different from the user name.
- Make a note of the user name and password for the reminder.

⑥ The Enter Network Password window is displayed. Enter the user name and password that were set, and click [OK].



⑦ When the Single Camera page is displayed, setup is complete.

- If the Security Warning window is displayed when installing ActiveX Controls, click [Yes].
- To install ActiveX Controls on Microsoft Windows XP Service Pack 2, see "Security Warning window on Microsoft Windows XP Service Pack 2" on page 4.



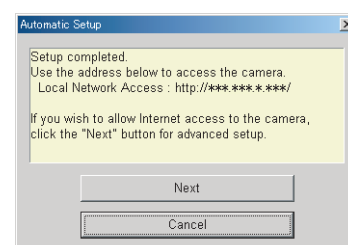
Note

- If the camera cannot be accessed, see page 9 of Troubleshooting on the CD-ROM.
- To ensure that the most current image is displayed, Internet Explorer should be configured as follows. This will not have a negative effect on normal use.

1. While viewing any website, click [Tools] → [Internet Options].
2. In the section "Temporary Internet Files", click [Settings] and check [Every visit to the page].

To enable Internet access to the camera

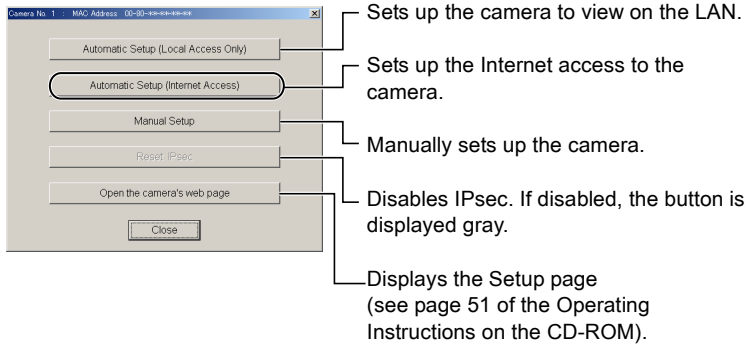
Click [Next] to set up the Internet access to the camera and go to page 4.



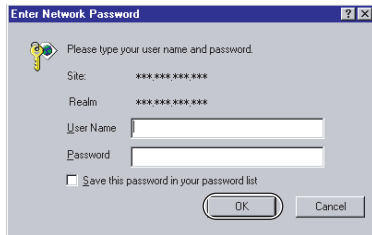
- If you do not allow Internet access, click [Cancel], and see page 23 of the Operating Instructions on the CD-ROM.

3. Setting up Internet Access to the Camera.

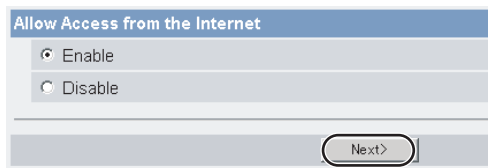
① Click [Automatic Setup (Internet Access)].



② The Enter Network Password window is displayed. Enter the user name and password that were set, and click [OK].



③ When using a router that supports UPnP™, check [Enable]. When using a router that does not support UPnP™, check [Disable]. Then click [Next>].

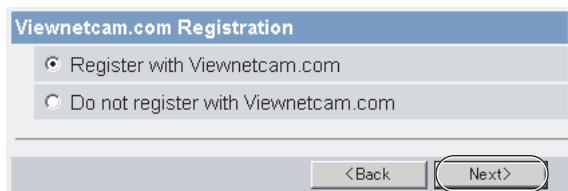


- Check if your router supports UPnP™ referring to the router's manual.
- If you select [Disable], skip to step ⑦.

Registration with the "Viewnetcam.com FREE DynamicDNS service"

By registering with the Viewnetcam.com FREE DynamicDNS service, you can create a personalized web address at which your camera's live video can always be found on the Internet. For detailed information, access "<http://www.viewnetcam.com>".

④ To register with the "Viewnetcam.com FREE DynamicDNS service", check [Register with Viewnetcam.com] and click [Next>].



- If you selected [Do not register with Viewnetcam.com], skip to step ⑦.

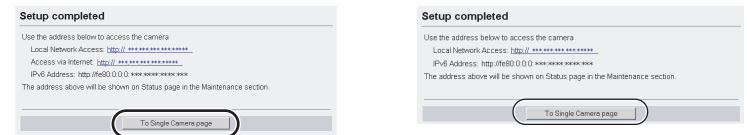
⑤ The Enter Network Password window is displayed. Enter the user name and password that were set, and click [OK].

⑥ The "Viewnetcam.com FREE DynamicDNS service" website is displayed. Follow the displayed instructions for registration.

- If the message "Failed to configure the router's Port Forwarding by UPnP™" is displayed, your router may not support UPnP™ or UPnP™ is not enabled. Enable your router's UPnP™ or set Port Forwarding manually following the router's manual, and try Automatic Setup again. For more information about setting up a router, refer to the Panasonic Network Camera support website at <http://panasonic.co.jp/pcc/products/en/netwcam/>
- If the message "Failed to register with Viewnetcam.com." is displayed, confirm that the router is connected to the Internet.

⑦ When "Setup completed" is displayed, make a note of the URL and click [To Single Camera page].

- When [Enable] was selected at step ③.
- When [Disable] was selected at step ③.



Note

- The port number must be specified at the end of the camera URL.

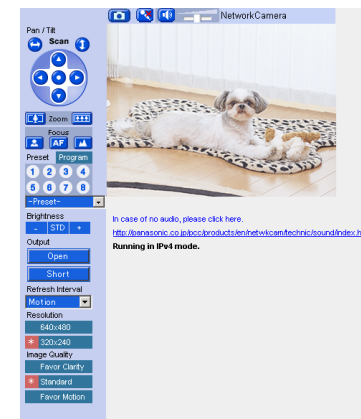
For example

Using port 80:
[http://\(Cameraname\).viewnetcam.com](http://(Cameraname).viewnetcam.com) or <http://IP Address>

Using any other port:
[http://\(Cameraname\).viewnetcam.com:Port Number](http://(Cameraname).viewnetcam.com:Port Number) or
<http://IP Address:Port Number>

- Make a note of the URL for the camera.
- The URL for the local network access may be different from the one set up on the previous page. Make a note of the URL here again.

⑧ When the Single Camera page is displayed, setup is complete.



Note

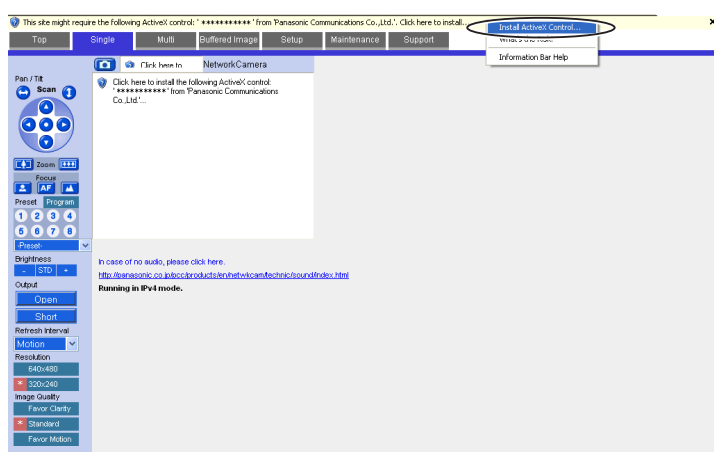
- If the camera cannot be accessed, see page 9 of Troubleshooting on the CD-ROM.
- To ensure that the most current image is displayed, Internet Explorer should be configured as follows. This will not have a negative effect on normal use.

1. While viewing any website, click [Tools] → [Internet Options].
2. In the section "Temporary Internet Files", click [Settings] and check [Every visit to the page].

Security Warning window on Microsoft Windows XP Service Pack 2

To view a video (Motion JPEG) or to use audio feature, ActiveX Controls must be installed. Follow the steps below to install ActiveX Controls.

① Click the warning displayed above the tabs, and click [Install ActiveX Control...].



② Click [Install].

