

## Important Information

### Network Camera Indoor Use Only

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

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 Setup CD-ROM carefully and use the Network Camera properly.

Please read this manual before using, and save this manual for future reference.

#### How to Use This Documentation

The Network Camera includes the following 5 manual types.

- **Important Information (This manual)**  
This manual has general information and safety instructions you will need to understand before installing.
- **Getting Started**  
Getting Started explains the initial configuration of the Network Camera, to help you to set up the Network Camera quickly and easily.
- **Installation Guide**  
Installation Guide explains mounting methods of the Network Camera.
- **Operating Instructions (Included on the Setup CD-ROM)**  
Operating Instructions explains the operations, settings, features and maintenance of the Network Camera.
- **Troubleshooting (Included on the Setup CD-ROM)**  
Troubleshooting provides troubleshooting help.

#### Trademarks

- Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Pentium is a trademark or registered trademark of Intel Corporation or its subsidiaries in the United States and other countries.
- All other trademarks identified herein are the property of their respective owners.

#### Abbreviations

- "Network Camera" is called "Camera" in this manual.
- "Setup CD-ROM" is called "CD-ROM" in this manual.

#### Environment:

Do not install the camera where the temperature is less than 0 °C or greater than +40 °C. Allow 10 cm clearance around the unit for proper ventilation. Avoid excessive smoke, dust, mechanical vibration, shock, or direct sunlight.

#### Routine care:

Wipe the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder.

When you leave the unit unused for a long period of time, disconnect the plug of the AC cord from the outlet (BB-HCM381) or disconnect the Ethernet cable from the unit (BB-HCE481).

#### If you have any problems:

Consult an authorized service center.

#### CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

No responsibility will be taken by our company with respect to consequences resulting from the use, damage or both of the camera.

#### Audio and Video Recording Notice

PLEASE NOTE that under certain circumstances, audio/video recording may be PROHIBITED by law. This device should be used only in compliance with all applicable federal, state and local statutes.

#### IMPORTANT SAFETY INSTRUCTIONS

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. After taking away the sand or the dust on the lens, wipe the lens with lens cleaning paper.
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
8. [For BB-HCM381] Protect the AC adaptor cord and AC cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the unit.
9. [For BB-HCM381] When you operate the camera, the power outlet should be near the camera and easily accessible.
10. Only use attachments/accessories such as stand specified by the manufacturer.
11. Do not touch the unit, Ethernet cable, AC adaptor, AC adaptor cord and AC cord during lightning storms.
12. Unplug the unit from power supply when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way, such as the AC adaptor, AC cord or plug is damaged, the unit does not operate normally, or has been dropped.
14. Prolonged exposure to direct sunlight or halogen light may damage CCD sensor.
15. The camera is intended for indoor use only.
16. Keep the SD memory card (customer-provided) out of reach of children to prevent swallowing.
17. Unplug this unit from power supply if it emits smoke, an abnormal smell or makes unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped and contact an authorized service center.

#### SAVE THESE INSTRUCTIONS

## System Requirements for your PC

Your PC (Personal Computer) and network must meet the following technical specifications for the camera to work properly.

### For IPv4 Connection

Item	Description
<b>Operating System</b>	Microsoft® Windows® XP, Microsoft® Windows® 2000 Microsoft® Windows® Me, Microsoft® Windows® 98SE
<b>CPU</b>	<ul style="list-style-type: none"> <li>For viewing single camera Pentium® III (800 MHz or greater is recommended.)</li> <li>For viewing multiple cameras Pentium® 4 (1.8 GHz or greater is recommended.)</li> </ul>
<b>Protocol</b>	TCP/IP protocol (HTTP, TCP, UDP, IP, DNS, ARP, ICMP)
<b>Interface</b>	10/100 Mbps network card installed
<b>Web Browser</b>	Internet Explorer 6.0 or later (Not included on the CD-ROM)
<b>Audio</b>	User-supplied microphone and speaker (required to use the Talk and Listen features)

### For IPv6 Connection

Item	Description
<b>Operating System</b>	Microsoft® Windows® XP Service Pack 1 or later
<b>CPU</b>	<ul style="list-style-type: none"> <li>For viewing single camera Pentium® III (800 MHz or greater is recommended.)</li> <li>For viewing multiple cameras Pentium® 4 (1.8 GHz or greater is recommended.)</li> </ul>
<b>Protocol</b>	TCP/IP protocol (HTTP, TCP, UDP, IP, DNS, ICMPv6, NDP)
<b>Interface</b>	10/100 Mbps network card installed
<b>Web Browser</b>	Internet Explorer 6.0 or later (Not included on the CD-ROM)
<b>Audio</b>	User-supplied microphone and speaker (required to use the Talk and Listen features)

#### Note

- A PoE hub is required for BB-HCE481.
- See Panasonic Network Camera support website at <http://panasonic.co.jp/pcc/products/en/netwcam/> for details about network environment.

#### What is IPv6?

- IPv6 is short for "Internet Protocol Version 6".
- IPv6 was created to provide the additional IP addresses that will be needed as the Internet continues to expand.
- IPv6 is expected to gradually replace IPv4, with the 2 coexisting for a number of years during a transition period.
- Though most ISPs (Internet Service Providers) do not yet support IPv6, many local networks already use it. When your ISP supports IPv6, your Panasonic Network Camera will be ready!
- For more information, visit <http://www.ipv6.org/>.

The information in this document is subject to change without notice.  
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## Security Cautions

When using this product, take appropriate measures to avoid the following security breaches.

- Leaks of private information via this product
- Illegal use of this product by a third party
- Interference or suspension of the use of this product by a third party

Take the following measures to avoid security breaches:







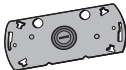
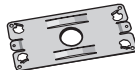



- To prevent illegal access, keep the firmware up to date (If you do not have the latest version of firmware, this can lead to blocked access or information leaks).
- You are responsible for the security settings, such as user name and password, to access this product. This information should not be made available to any third parties outside the user group.
- Mount the camera where the camera will not be stolen.
- You are responsible for this product's user information, such as videos, still images, Internet content, etc. This information should not be made available to any third parties outside the user group.
- When sending this product to be repaired with a company not related to Panasonic, make back-up copies of files, if necessary, and reset this product to factory default.
- When transferring this product to another party, make back-up copies of files, if necessary, and reset this product to factory default.
- Recorded files stored on the SD memory card can lead to private information leaks. When sending this product to be repaired or transferring it to another party, ensure that the SD memory card is removed.
- When disposing of this product, reset this product to factory default, or erase information by means of electrical deletion or physical dismantlement.

#### User Name and Password Protection

The use of a unique User Name and secret Password is an important tool that will help limit unauthorized individuals from accessing the camera. If you choose to disable this tool, and choose not to limit access by use of a User Name and Password, this may result in access to the camera by unauthorized individuals. (See page 94 of the Operating Instructions on the CD-ROM)

## Included Items

The following items are provided with the camera.

<b>Main Unit*</b> ..... 1 pc. 	<b>AC Adaptor</b> [BB-HCM381 Only] ..... 1 pc. Order No.: PSLP1242Z Cord Length: About 5 m 
<b>AC Cord</b> [BB-HCM381 Only] ..... 1 pc. Order No.: PFJA02A006Z Cord Length: About 1.8 m 	<b>Audio Cable</b> [BB-HCM381 Only] ..... 1 pc. Order No.: PSJA1105Z Cord Length: About 48 cm 
<b>Audio/Video Cable</b> [BB-HCE481 Only] ..... 1 pc. Order No.: PSJA1103Z Cord Length: About 48 cm 	<b>Ceiling Mounting Cover</b> ..... 1 pc. Order No.: PSKL1023Y2 
<b>Ceiling Plate A</b> ..... 1 pc. Order No.: PSZMHCM381A 	<b>Ceiling Plate B</b> ..... 1 pc. Order No.: PSMD1045Y 
<b>Screws A</b> ..... 2 pcs. Order No.: XYN3+J6FJ 	<b>Screws B</b> ..... 4 pcs. Order No.: XTB4+20AFJ 
<b>Important Information</b> <b>(This manual)</b> ..... 1 pc. <b>Getting Started</b> ..... 1 pc. <b>Installation Guide</b> ..... 1 pc.	<b>Setup CD-ROM</b> ..... 1 pc. Order No.: PQQX15196ZCD 

\*1 The BB-HCM381 rear view is different from the BB-HCE481 rear view (see page 15 [BB-HCM381] or page 17 [BB-HCE481] of the Operating Instructions on the CD-ROM).