How to Use the Documentation

This manual is written for both the BL-C210 (Wired Type) and BL-C230 (Wireless/Wired Type). Available features and operations vary slightly depending on the model. You can confirm the model no. of your camera by checking the model no. printed on the front of the camera. Model number suffixes ("CE" and "E") are omitted from the following model numbers shown in this document, unless necessary. BL-C210CE, BL-C210E, BL-C230CE, BL-C230E

All documentation can be found on the included CD-ROM.

• Important Information (PDF format; printed version also included)
• Installation Guide (PDF format; printed version also included)
• Setup Guide (PDF format; printed version also included)
• Operating Instructions (HTML format)
• Troubleshooting Guide (HTML format)

Provides solutions for problems you may have when using the camera.

Abbreviations

• The Network Camera is referred to as "the camera" in this document.
• The Setup CD-ROM is referred to as "the CD-ROM" in this document.

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. Attach the Safety Wire to the camera to prevent it from dropping.
6. After taking away the sand or the dust on the lens cover, wipe the lens cover with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
9. Protect the AC adaptor cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the unit.
10. The AC adaptor is used as the main disconnect device. Ensure that the socket-outlet shall be installed near the equipment and shall be easily accessible.
11. Only use attachments/accessories (such as the Safety Wire) specified by the manufacturer.
12. Do not touch the unit, the LAN cable, AC adaptor, or AC adaptor cord during lightning storms.
13. Unplug the unit from power supply when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way, such as when the AC adaptor is damaged, the unit does not operate normally, or after the unit has been dropped.
15. Prolonged exposure to direct sunlight or halogen light may damage the image sensor.
16. The camera is intended for indoor use only.
17. For BL-C230: Please check local regulations as outdoor use of the wireless feature is restricted in some countries/areas.
18. Unplug this unit from power outlets 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.
19. If for some reason the camera is no longer used, uninstall the camera to avoid the risk of the camera falling.

SAVE THESE INSTRUCTIONS

Other Information

CAUTION:

• Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.
• To reduce the risk of electric shock, do not remove cover (or back).

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 AC adaptor from the outlet.

If you have any problems:

Consult an authorized service center.

For BL-C230:

• This equipment must be installed and operated in accordance with provided instructions and a minimum 20 cm spacing must be provided between antenna and all person's body (excluding extremities of hands, wrist and feet) during wireless modes of operation.
• This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

MEDICAL:

For BL-C230: Consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 2.412 GHz to 2.472 GHz, and the power output level is 0.1 watts.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.

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

Security Cautions

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

• Disclosure of private information via this product
• Unauthorized use of this product by a third party
• Interference or suspension of the use of this product by a third party

You are responsible for the security of this product and its use. Take the following measures to avoid security breaches.

• To prevent unauthorized access, disclosure of private information, or interference or suspension of access to the camera, make sure the camera’s firmware is up to date.
• Do not reveal the user names and passwords required to access the camera to an unknown party.
• If you choose to configure this product to allow access to parties without the need to enter a user name and password (i.e., guest users), be aware that unknown parties may access this product.
• Do not upload images produced by this product or otherwise release information where it may be accessed by unknown parties.
• Mount the camera where the camera will not be stolen.
• When sending this product for service or transferring this product to another party, make backup copies of its setup files, and reset this product to its factory default settings.
• When disposing of this product, reset the product to its factory default settings.
• After the camera is accessed by the administrator, make sure to close the browser for added security.
• Change the administrator password periodically for added security.

User Name and Password Protection

The use of unique user names and secret passwords is an important tool that will help limit unauthorized individuals from accessing the camera. If you choose to disable this tool by allowing guest (i.e. anonymous) access, the camera may be accessed by unauthorized individuals.
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 laws and statutes.

AVC/H.264 Visual License

This product is licensed under the AVC Patent Portfolio License for the personal and non-commercial use of a consumer for (i) decoding video in compliance with the AVC Standard (“AVC Video”) and (ii) decoding AVC Video that was encoded by a consumer engaged in a personal activity. Additional information may be obtained from MPEG LA, LLC. See http://www.mpgea.com.

MPEG-4 Visual License

This product is licensed under the MPEG-4 Visual patent portfolio license for the personal and non-commercial use of a consumer for (i) encoding video in compliance with the MPEG-4 Visual Standard (“MPEG-4 Video”) and (ii) decoding MPEG-4 Video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licensed by MPEG LA to provide MPEG-4 Video. No license is granted or implied for any other use. Additional information including that relating to promotional, internal and non-commercial uses and licensing may be obtained from MPEG LA, LLC. See http://www.mpgea.com.

About the H.264/MPEG-4 Viewer Program

The H.264/MPEG-4 viewer program is an ActiveX® Control that is used to play H.264/MPEG-4 files within an Internet Explorer. This software is installed automatically the first time you view H.264/MPEG-4 videos.

A software license for the H.264/MPEG-4 decoder is included with the H.264/MPEG-4 viewer program, and the license is valid for 1 PC. Please read the included End-User License Agreement before installing the viewer program. When installing the H.264/MPEG-4 viewer program on additional PCs, please purchase additional licenses (Model No. BB-HCA5CE, BB-HCA5CE).

About the Software License

• This software includes certain software derived from the RSA Security, Inc. MDS Message-Digest Algorithm.
• This software includes certain software derived from OpenSSL and NetBSD according to their licensing terms, as well as software developed by ACMELabs.

For licensing terms, refer to “Software License Information” on the CD-ROM.

System Requirements

Your PC and network must meet the following technical specifications in order for the camera to function properly.

<table>
<thead>
<tr>
<th>Item</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System</td>
<td>Microsoft® Windows® 7, Windows Vista®, Windows XP Service Pack 2 or later</td>
</tr>
<tr>
<td>RAM</td>
<td>512 MB or more; 1 GB or more recommended</td>
</tr>
<tr>
<td>Display</td>
<td>1024 x 768 resolution or higher</td>
</tr>
<tr>
<td>Protocol</td>
<td>For IPv4 Connection TCP/IP protocol (HTTP, TCP, UDP, IP, DNS, ARP, ICMP)</td>
</tr>
<tr>
<td>Web Browser</td>
<td>Internet Explorer® 6, Internet Explorer 7, Internet Explorer 8 (32-bit)</td>
</tr>
<tr>
<td>Audio</td>
<td>PC speaker or headphones (required to use the Listen feature)</td>
</tr>
</tbody>
</table>

*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 grow.
• IPv6 is expected to gradually replace IPv4, with the coexistence of a new version 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!

**Important Safety Information**

Use only the included Panasonic AC adapter (BL-C210CE/BL-C230CE: model.no.PQLV206CE [Order no.PQLV206CEY], BL-C210BL/BL-C230BL: model.no.PQLV206YE).

**Note:** Refer to the Panasonic Network Camera website at http://www.panasonic.net/pcc/support/ntwkcam/ for details about network environment, and for information about the restrictions depending on which Windows operating system or Internet Explorer version you are using.

**For European Union (EU) (For BL-C210)**

For Information of Compliance with EU relevant Regulatory Directives, Contact to Authorized Representative:

Panasonic Testing Centre
Panasonic Marketing Europe GmbH
Winzingring 15, 22525 Hamburg, Germany

**EU17310**

**For European Union (EU) (For BL-C230)**

Panasonic System Networks Co., Ltd., declares that this equipment is in compliance with the essential requirements and other relevant provisions of Radio & Telecommunications Terminal Equipment (R&TTE) Directive 1999/5/EC. Declarations of Conformity for the relevant Panasonic products described in this manual are available for download by visiting: http://www.doc.panasonic.de

Contact:

Panasonic Services Europe
division of Panasonic Marketing Europe GmbH
Winzingring 15, 22525 Hamburg, F.R. Germany

**For India (For BL-C210)**

Panasonic India Private Limited, B-11, 4th Floor, Suncity Complex, Sector 62, Noida-201 301, Uttar Pradesh, India

**For China (For BL-C210)**

Panasonic System Networks Co., Ltd., 1-62, 4-chome, Minoshima, Hakata-ku, Fukuoka 812-8531, Japan

**Trademarks**

• Microsoft, Windows, Windows Vista, ActiveX, Internet Explorer, and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
• Intel Core and Pentium are trademarks of Intel Corporation in the U.S. and other countries.
• All other trademarks identified herein are the property of their respective owners.

**Important Information**

For users in Turkey

EEE Complies with Directive of Turkey.

**Üzümlü Fırma**

Kenyet Elektronik Sanat A.S.
Mastak Mah. Bilim Sokak
Sun Plaza Kat: 16 Şişli İstanbul
Tel : 0212 286 21 11
Faks: 0212 286 21 11
Müsteri Hizmetleri: 444 72 62
www.panasonic.com.tr

**Önemli Bilgiler**

EEE Yönetmeligi Uygundur.

**Notes:**

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

Panasonic System Networks Co., Ltd.