



Important Information

Network Camera Indoor Use Only

Model No. **BL-C1A** Wired Type

BL-C20A Wireless/Wired Type

Please read this manual before using, and save this manual for future reference.
Panasonic Network Camera Website: <http://www.panasonic.com/netcam> for customers in the USA or Puerto Rico

How to Use This Documentation

This manual is for both **BL-C1A (Wired Type)** and **BL-C20A (Wireless/Wired Type)**. Available features and operations are different in part depending on the model. Read this manual carefully and use the Network Camera properly. (The model no. is indicated on the upper left of the front of the main unit.) The Network Camera includes the following 4 manual types.

- **Important Information (This manual)**
This manual has important information you will need to understand before installing.
- **Getting Started**
Getting Started explains the initial configuration and mounting methods of the Network Camera, to help you to set up the Network Camera quickly and easily.
- **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

- 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.

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. To clean the camera lens, first remove any dust or dirt from the lens, then wipe the lens with a cotton bud.
6. Do not block any ventilation openings. Install in accordance with instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
8. 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.
9. The AC adaptor is used as the main disconnect device, ensure that the outlet is located/installed near the equipment and is easily accessible.
10. Only use attachments/accessories (such as stands) specified by the manufacturer.
11. Do not touch the unit, AC adaptor, or AC adaptor cord during lightning storms.
12. Unplug the unit 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 when the AC adaptor is damaged, the unit does not operate normally, or after the unit has been dropped.
14. The camera is intended for indoor use only. Prolonged exposure to direct sunlight or halogen light may damage the CMOS sensor.
15. [For BL-C20A] Please check local regulations as outdoor use of the wireless feature is restricted in some countries/areas.
16. 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.

SAVE THESE INSTRUCTIONS

FCC and Other Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

[For BL-C1A] This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

[For BL-C20A] Some wireless Cameras operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the wireless Camera should not be placed near or on top of a TV or VCR. If interference is experienced, move the wireless Camera further away from the TV or VCR. This will often reduce or eliminate interference. Operating near 2.4 GHz electrical appliances may cause interference. Move away from the electrical appliances.

Environment:

Do not install the camera where the temperature is less than +5 °C (+41 °F) or greater than +40 °C (+104 °F). Allow 10 cm (4 inches) 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 Panasonic Factory Service Center.

FCC and Other Information

CAUTION:

- **[For BL-C20A]** To comply with FCC RF exposure requirements in uncontrolled environment:
 - This equipment must be installed and operated in accordance with provided instructions and a minimum 20 cm (8 inches) 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.
- **[For BL-C20A] Medical**
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 2.462 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.
- 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.

Video Recording Notice:

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

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.
- 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 52 of the Operating Instructions on the CD-ROM)

[For BL-C20A] Obstacles during Wireless Connection

The radio wave range may decrease depending on the surrounding environment or existence of obstacles. If obstacles such as the following are placed between a camera and a router, radio waves will weaken. Therefore, even if the distance between the camera and router is short, the frame rate may decrease or images may not be displayed.

- A metallic door or shutter
- A wall with an insulation material that contains aluminum foil
- A wall made of tin
- A wall made of concrete, stone or brick
- Fireproof glass
- Several walls separated by open space
- A steel shelf

System Requirements for your PC

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

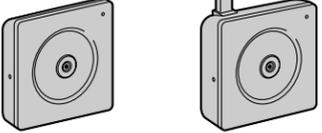
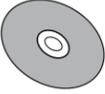
Item	Description
Operating System	Microsoft® Windows® XP (Home Edition, Professional), Microsoft® Windows® 2000, Microsoft® Windows® Me, Microsoft® Windows® 98SE
CPU	Pentium® III (500 MHz or greater is recommended.)
Protocol	TCP/IP protocol (HTTP, TCP, UDP, IP, DNS, ARP, ICMP)
Interface	10/100 Mbps network card installed
Web Browser	Internet Explorer 6.0 or later (Not included on the CD-ROM)

Note

See Panasonic Network Camera support website at <http://panasonic.co.jp/pcc/products/en/netwkcaml/> for details about network environment.

Included Items

The following items are provided with the camera.
Additional pieces can be ordered by calling 1-800-332-5368.

Main Unit 1 pc.  When purchasing BL-C1A When purchasing BL-C20A	AC Adaptor 1 pc. Order No.: PQLV206Y (Cord Length: About 3 m [9 feet 10 inches]) 	Flexible Stand 1 pc. Order No.: PQKL10077Z1 
Screws 2 pcs. Order No.: XTS35+20AFJ 	Setup CD-ROM 1 pc. Order No.: PSQX3229YCD 	Important Information (This manual) 1 pc. Getting Started 1 pc.

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

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For product service

- Panasonic Servicenters are listed in the servicenter directory.
- Call 1-800-272-7033 for the location of an authorized servicenter.
- This Network Camera is designed for use in the United States of America. Sale or use of this product in other countries/areas may violate local laws.

When you ship the product

- Carefully pack your unit, preferably in the original carton.
- Attach a letter, detailing the symptom, to the outside of the carton.

Symptom _____

- Send the unit to an authorized servicenter, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company listed left or to executive or regional sales offices. These locations do not repair consumer products.