

Panasonic®

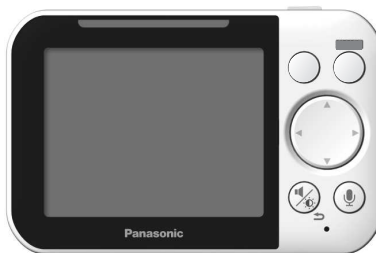
Operating Instructions

Baby Monitor

Model No. **KX-HN3051C**

(Camera Model No. **KX-HNC300**)

(Monitor Model No. **KX-HNM300**)



***Before initial use, see “Getting Started”
on page 9.***

Thank you for purchasing a Panasonic product.

Please read these operating instructions before using the unit and save them for future reference.

For assistance, please visit our support page on:

www.panasonic.ca/english/support

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About the baby monitor

The baby monitor system helps you keep an eye on your baby from anywhere in your house. The system consists of a camera unit and a monitor unit that are connected wirelessly using DECT technology, which provides secure, stable, and clear sound and picture without interference from microwave ovens, wireless routers, etc.

The monitor unit features a compact design and a long-lasting rechargeable battery that provides hours of use on a single charge, and the camera unit features a camera, speaker, and microphone that let you see, talk, and listen to your baby. The system's smart features give you peace of mind to go about your day. For example, you can use auto lullaby (page 26) to play a lullaby automatically when your baby is crying, and smart notification (page 26) to display notifications on the monitor unit when your baby wakes or cries.

Model composition

Model No.	Monitor unit	Camera unit	
	Part No.	Part No.	Quantity
KX-HN3051C	KX-HNM300	KX-HNC300	1

Accessory information

Supplied accessories

No.	Accessory item/Part number	Quantity
①	AC adaptor for the camera unit	1
②	AC adaptor for the monitor unit	1
③	Wall mounting adaptor for the camera unit	1
④	Rechargeable battery for the monitor unit	1

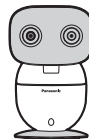


Introduction

Expanding the baby monitor system

Camera unit (optional): KX-HNC301

You can expand your baby monitor system by registering optional camera units (3 max.) to the monitor unit.



Other information

- Design and specifications are subject to change without notice.
- The illustrations in these instructions may vary slightly from the actual product.

Important Information

Graphical symbols for use on equipment and their descriptions

Symbol	Explanation	Symbol	Explanation
	Alternating current (A.C.)		Class II equipment (equipment in which protection against electric shock relies on Double Insulation or Reinforced Insulation)
	Direct current (D.C.)		"ON" (power)
	Protective earth		"OFF" (power)
	Protective bonding earth		Stand-by (power)
	Functional earth		"ON"/"OFF" (power; push-push)
	For indoor use only		Caution, risk of electric shock

About this system

- This system is an auxiliary system; it is not designed to provide complete protection from property loss. Panasonic will not be held responsible in the event that property loss occurs while this system is in operation.
- This product should not be used as substitute for a medical or caregiver's supervision. It is the caregiver's responsibility to stay close enough to handle any eventuality.
- The system's wireless features are subject to interference, therefore functionality in all situations cannot be guaranteed. Panasonic will not be held responsible for injury or damage to property that occurs in the event of wireless communication error or failure.
- If a power failure occurs or the power is disconnected, the temperature will not be accurate for up to an hour.

For your safety

To prevent severe injury and loss of life/property, read this section carefully before using the product to ensure proper and safe operation of your product.

WARNING

Power connection

- Use only the power source marked on the product.
- Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
- Completely insert the AC adaptor/power plug into the power outlet. Failure to do so may cause electric shock and/or excessive heat resulting in a fire.

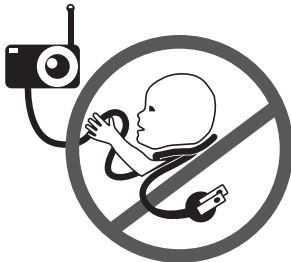
For assistance, visit www.panasonic.ca/english/support

Important Information

- Regularly remove any dust, etc. from the AC adaptor/power plug by pulling it from the power outlet, then wiping with a dry cloth. Accumulated dust may cause an insulation defect from moisture, etc. resulting in a fire.
- Unplug the product from power outlets if it emits smoke, an abnormal smell, or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact us by visiting our Support page: www.panasonic.ca/english/support
- Unplug from power outlets and never touch the inside of the product if its casing has been broken open. Danger of electric shock exists.
- Never touch the plug with wet hands. Danger of electric shock exists.
- Do not connect non-specified devices.

Installation

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Do not place or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident.
- **WARNING:**
Strangulation Hazard: Children have STRANGLED in cords.
Keep this cord out of the reach of children (more than 1 m (3 feet) away).



- Do not allow the AC adaptor to be excessively pulled, bent or placed under heavy objects.
- Keep small parts, such as screws, out of the reach of children. There is a risk of swallowing. In the event they are swallowed, seek medical advice immediately.

Operating safeguards

- Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners.
- Do not disassemble the product.
- Never put metal objects inside the product. If metal objects enter the product, turn off the circuit breaker and contact an authorized service centre.

Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. DECT features operate between 1.92 GHz and 1.93 GHz with a peak transmission power of 115 mW (max.).
- Do not use the product 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 energy.

Lithium Ion (Li-Ion) Polymer battery

- Do not open, puncture, crush, or drop the battery. A damaged battery must not be used. This can result in the risk of fire, explosion, overheating, and leaking of the electrolyte.
- Do not touch the terminals $\oplus$ and $\ominus$ with metal objects.
- If any electrolyte should come into contact with your hands or clothes, wash it off thoroughly with water.
- If any electrolyte should come into contact with your eyes, never rub your eyes. Rinse your eyes thoroughly with water, and then consult a doctor.

Important Information

CAUTION

Installation and location

- Never install wiring during a lightning storm.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.
- Mount the product on the stable location where the camera unit can be adequately supported when installing.
- Do not mount the product on soft material. It may fall down, break or cause injury.
- Do not mount the product on the following materials: gypsum board, ALC (autoclaved lightweight cellular concrete), concrete block, plywood less than 25 mm (1 inch) thick, etc.

Lithium Ion (Li-Ion) Polymer battery

- Use only the specified battery.
- Insert the battery correctly.
- Do not leave the battery in an automobile exposed to direct sunlight for a long period of time with the doors and windows closed.
- Remove the battery if you do not use the product for a long period of time. Keep it in a cool, dark area.
- Do not replace a battery with wet hands.
- CAUTION:
Risk of explosion if battery is replaced by an incorrect type. Dispose of used battery according to local regulations.
- Stop using the battery immediately and keep away from fire if it emits an abnormal smell or leaks electrolyte. Released electrolyte may cause fire or burns.
- Exercise care when handling the batteries. Do not allow conductive materials such as rings, bracelets, or keys to touch the batteries, otherwise a short circuit may cause the batteries and/or the conductive material to overheat and cause burns.
- Do not put any conductive materials such as coins or hairpins onto the battery terminals. This can result in the risk of overheating.
- Charge the battery provided with or identified for use with this product only, in accordance with the instructions and limitations specified in this manual.

Attention:



The lithium ion/polymer battery you have purchased is recyclable.

Please call 1-800-8-BATTERY (1-800-822-8837) for information on how to recycle this battery.

Preventing accidents and injuries

- Do not put your ear(s) near the speaker, as loud sounds emitted from the speaker may cause hearing impairment.

Important safety instructions

When using your product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
2. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

For best performance

Product location/avoiding noise

The monitor unit and camera units use radio waves to communicate with each other.

- For maximum coverage and noise-free communications, place your monitor unit:
 - at a convenient, high, and central location with no obstructions between

For assistance, visit www.panasonic.ca/english/support

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Important Information

- the monitor unit and the camera unit in an indoor environment.
- away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones.
- facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the product on a bay window or near a window.)
- If the reception for a monitor unit location is not satisfactory, move the monitor unit to another location for better reception.

Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- Do not expose this product to direct sunlight or other forms of powerful light such as halogen lights for long periods of time. (This may damage the image sensor.)
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.
- The product should be kept away from heat sources such as heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than 0 °C (32 °F) or greater than 40 °C (104 °F). Damp basements should also be avoided.
- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

Other information

Routine care

- **Wipe the outer surface of the product with a soft moist cloth.**
- Do not use benzine, thinner, or any abrasive powder.

Camera image quality

- Camera images may have the following characteristics.
 - Colours in images may differ from the actual colours.
 - Faces or objects may appear dark when there is light behind the subject (i.e., backlighting).
 - Image quality may be reduced in dark locations.
 - Images may appear hazy when there are outdoor lights in use.

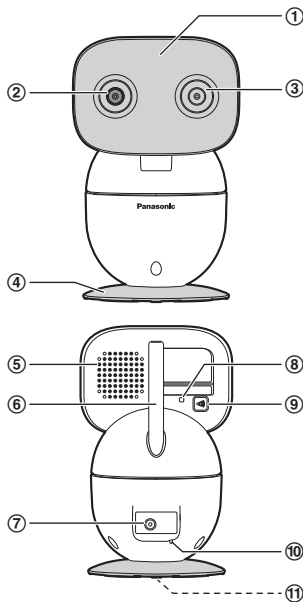
When the subject is lit by sunlight or halogen lights, black areas of the image may appear purplish. This is not a malfunction.

Notice for product disposal, transfer, or return

- Although the monitor unit does not have recording functions, to protect your privacy/confidentiality, we recommend that you reset the registered camera units (page 28) before you dispose of, transfer, or return the product.

Part names and functions

Camera unit



- ① **Light sensor**
Allows the camera unit to switch automatically to night vision mode in low-light conditions.
- ② **Camera lens**
- ③ **Microphone**
- ④ **Camera base**
- ⑤ **Speaker**
- ⑥ **Antenna**
- ⑦ **DC jack**
- ⑧ **LED indicator**
- ⑨ **【••】 (Pairing button)**
- ⑩ **Temperature sensor**
- ⑪ **Screw**
Used to secure the camera base (page 13) or wall mounting adaptor to the camera unit (page 12).

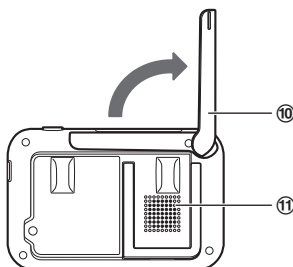
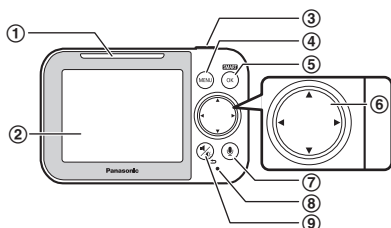
LED indicator

You can use the LED indicator to confirm the camera unit's status.
Check the colour of the LED indicator after connecting the camera unit (page 12).

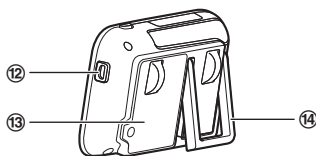
Indicator	Status
Off	No power
Green, lit	Normal operation
Green, blinking slowly	Registration mode
Green, blinking quickly	Device malfunction

Getting Started

Monitor unit



Using the stand



① Smart LED indicator

② Display

③ [P] (Power)

Press to temporarily turn off the display or press for about 2 seconds to turn on/off the monitor unit (page 16).

④ [MENU]

⑤ [SMART]/[OK]

Use [SMART] to access the shortcut menu.

⑥ Navigator key

[◀], [▶], [▲], or [▼]:

- Scroll through various lists and items
- Adjust the pan/tilt range

⑦ [T] (Talk)

⑧ Microphone

⑨ [V/B] (Volume/Brightness)

[↩] (Back)

⑩ Antenna

⑪ Speaker

⑫ micro-USB connector

⑬ Battery cover

⑭ Stand

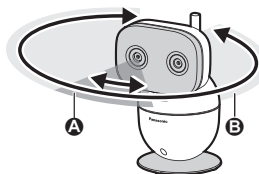
Setting up the camera unit

Information about pan/tilt range

The pan/tilt can be used to adjust the area viewable from the camera unit by using [◀], [▶], [▲], or [▼] on the monitor unit.

If the area that you wish to view is not visible even after adjusting the pan/tilt, change the location or position of the camera unit so that it can be viewed.

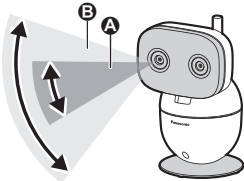
Pan range



A Range of visibility: 37°

B Range of movement: 309°

Tilt range



- A** Range of visibility: 28°
B Range of movement: 72°

Information about sensor features

The camera unit has 3 sensor features: a visual sensor used for motion detection, a temperature sensor, and a sound sensor. Please read the following information about each sensor before deciding where to install the camera unit.

Note:

- The camera unit's sensor features are not designed to be used in situations that require high reliability. We do not recommend use of the sensor features in these situations.
- Panasonic takes no responsibility for any injury or damage caused by the use of the camera unit's sensor features.

Using visible light to detect motion

The camera unit can detect motion by recognizing changes in the brightness of areas that are visible to the camera unit.

Note:

- The motion sensor does not function during and for 5 seconds after pan/tilt operations.
- Movement may be incorrectly detected when the moving object and the background have similar colours.
- Movement may be incorrectly detected when there are sudden changes to the overall brightness level, such as when lights are turned on.
- Detection becomes difficult when the image is dark.
- You can also adjust the sensitivity of the camera unit's motion detection feature and

select which areas of the camera image are monitored for motion detection.

Temperature sensor

The sensor is triggered when the set temperature range is exceeded.

Note:

- The temperature sensor may not detect temperature accurately if the camera unit is exposed to warm or cool breezes from heating/cooling systems.
- If a power failure occurs or the power is disconnected, the temperature will not be accurate for up to an hour.
- You can adjust the temperature setting of the temperature sensor (page 20).

Sound sensor

The sensor is triggered when the set sound level is exceeded.

Note:

- The sound sensor does not function while the camera unit's lullaby feature is playing a lullaby.
- The sound sensor does not function during and for 5 seconds after pan/tilt operations.
- The sound sensor may not function as desired when the camera unit is placed in noisy environments.
- You can adjust the sound level setting of the sound sensor (page 27).

Information about night vision mode

The camera unit features an array of infrared LEDs that light automatically in low-light conditions, allowing camera images to be viewable even when the surrounding area is dark.

Note:

- When night vision mode is active, camera images are displayed in black and white.
- If the camera unit is installed in front of a window and points directly at the window, images may be poor when night vision mode is active.

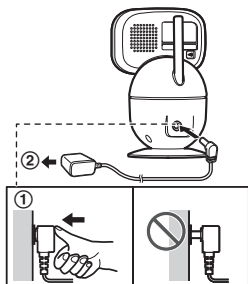
Getting Started

Connections

- ① Insert the AC adaptor plug firmly into the DC jack.
- ② Connect the AC adaptor to the power outlet.

Note:

- Use only the supplied AC adaptor S006AKU0500100.



Note about power connections

AC adaptor connection

- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.

Power failure

- The camera unit will not work during a power failure.

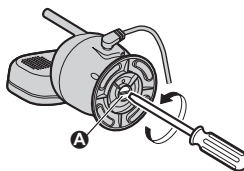
Placing the camera unit on a flat surface

The camera unit can be placed on a flat surface, however make sure to choose a stable location.

Wall mounting

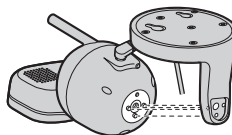
- Attach the wall mounting adaptor to the camera unit after making the connections (page 12).
- Only use the supplied screw that is attached to the camera base when attaching the wall mounting adaptor to the camera unit. Do not use user supplied screws. This may cause the camera unit to become loose from the wall mounting adaptor.
- Mount the camera unit on the stable location where the unit can be adequately supported when installing.
- Use a string or wire to prevent the camera unit from falling and causing injury if the camera unit comes off from the wall.
- Do not mount the wall mounting adaptor to a ceiling.
- Do not mount the camera unit on a soft material. It may fall down, break or cause injury.
- Do not mount the camera unit on the following places: plaster board, ALC (autoclaved lightweight cellular concrete), concrete block, plywood less than 25 mm (1 inch) thick, etc.

- 1 Remove the screw and then remove the camera base from the camera unit.



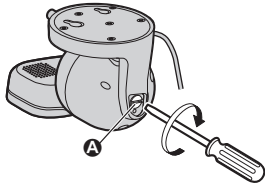
A Supplied screw (page 9)

- 2 Attach the wall mounting adaptor to the camera unit.



Getting Started

- 3** Drive the supplied screw into the camera unit.

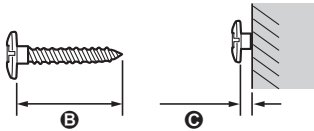


A Supplied screw (page 9)

- 4** Drive the screws (not supplied) into the wall.

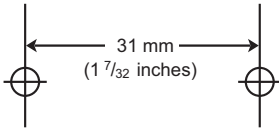
B Longer than 20 mm ($25/32$ inches)

C Space 1.3 mm ($1/32$ inches)



Note:

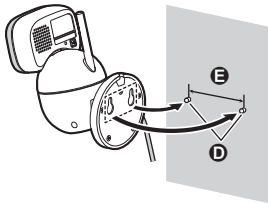
- Use the following template when determining the location of the screw holes.



- 5** Mount the camera unit to the wall.

D Screws

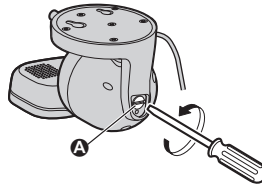
E 31 mm ($1 \frac{7}{32}$ inches)



- 6** Adjust the angle of the camera unit by using [◀], [▶], [▲], or [▼] on the monitor unit.

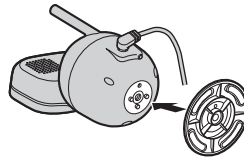
Reattaching the camera base

- Take the camera unit off from the wall.
- Remove the screw and then remove the wall mounting adaptor from the camera unit.

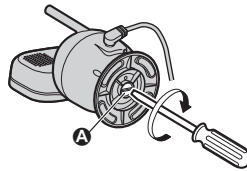


A Supplied screw (page 9)

- 3** Attach the camera base to the camera unit.



- 4** Drive the supplied screw into the camera unit.



A Supplied screw (page 9)

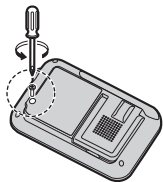
Getting Started

Setting up the monitor unit

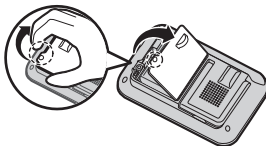
Battery installation

- USE ONLY the specified battery.

- 1 Remove the screw from the battery cover.

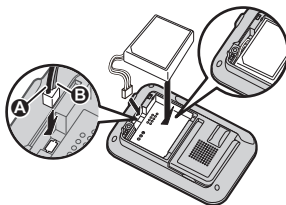


- 2 Remove the battery cover.

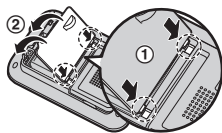


- 3 Insert the battery.

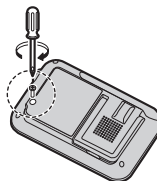
- A BLK: black
- B RED



- 4 Insert the tabs (1) into the slots, and then close the battery cover (2).



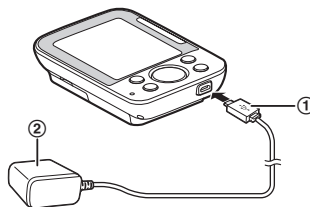
- 5 Drive the screw into the battery cover.



- Follow the directions on the display to set up the unit.

Battery charging

- 1 Insert the AC adaptor plug (1) firmly into the monitor unit's micro-USB connector.
- 2 Connect the AC adaptor (2) to the power outlet.



Charge for about 8 hours.

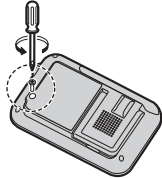
Note:

- Use only the supplied AC adaptor S006AKU0500100.
- When the AC adaptor plug is connected to the monitor unit's micro-USB connector,  is displayed on the screen.
- It is normal for the monitor unit to feel warm during charging.
- The monitor unit resets if the AC adaptor is disconnected when charging.

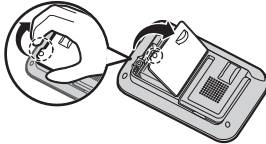
Replacing the battery

- USE ONLY the specified battery.

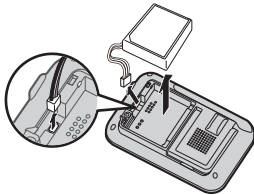
1 Remove the screw from the battery cover.



2 Remove the battery cover.

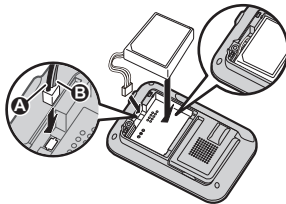


3 Remove the currently used battery.

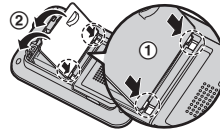


4 Attach and insert the replacement battery.

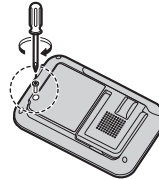
- Ⓐ BLK: black
- Ⓑ RED



5 Insert the tabs (①) into the slots, and then close the battery cover (②).



6 Drive the screw into the battery cover.



Battery level

Icon	Battery level
	High
	Medium
	Low
	Needs charging.*1

*1 Two beeps sound from the monitor unit every 3 minutes when the battery needs charging.

Lithium Ion (Li-Ion) Polymer battery performance (supplied battery)

Operation	Operating time
In continuous use	5 hours max.
Not in use (standby)	13 hours max.

Getting Started

Turning the power on/off

Press  located on the top of the monitor unit (page 10) for about 2 seconds.

- Press  to enter sleep mode and turn off the display (page 20).
Press any key on the monitor unit to exit sleep mode and turn on the display.

Language setting

- 1 [MENU]
- 2 : "Monitor Settings" → [OK]
- 3 : "Language" → [OK]
- 4 : Select the desired language. → [OK] → [MENU] repeatedly to exit.

Note:

- How to change from French back to English:
 - 1 [MENU]
 - 2 : "Paramètres moniteur" → [OK]
 - 3 : "Langue" → [OK]
 - 4 : "English" → [OK] → [MENU] repeatedly to exit.

Smart LED indicator and display icon colours

The colours of the smart LED indicator and display icons (page 16) indicate the status of the sensors. When sound or motion is detected, the smart notification feature (page 26) lights the smart LED indicator and displays the motion and sound icons according to the level of motion or sound detected. The smart LED indicator also lights when temperature is detected outside of the specified limits (page 20).

Smart LED indicator colour	Display icon colour	Status
Off	Off	No detections
Off	White  (only)	Normal operations
Green	Green	Motion or sound detected at the lower threshold level Example: When your baby makes small movements or cries quietly.
Amber	Amber	• Motion or sound detected at the higher threshold level Example: When your baby makes big movements or cries loudly. • Temperature detected above or below the threshold level

Display icons

Item	Meaning
	Range status: Shows the signal level.
	Out of service area*1
	An error occurred on the connected camera unit.*2
	Camera unit number*2
	The battery is charging. (page 14)
	The battery is fully charged.

Getting Started

Item	Meaning
	Night vision mode is active. (page 19)
	Mute is on.
	Timer is set to "Once". (page 28)
	Timer is set to "Repeat". (page 28)
	Lullaby is set. (page 21)
	Displays the temperature*3 detected by the temperature sensor. (page 20)
	Auto scan (page 21)
	The monitor unit is talking to the camera unit. (page 19)
	Camera zoom is on. (page 19)
	Displayed when motion is detected. (page 27)
	Displayed when sound is detected. (page 27)

*1 2 beeps sound from the monitor unit when the camera unit is out of the service area.

*2 The number displayed in the icon changes depending on the number of the connected camera unit.

*3 The temperature units can be changed (page 24).

Confirming the usage area

Wireless communication range

The wireless communication range of the monitor unit from the camera unit is approximately 457.5 m (1,500 feet). Wireless communication may be unreliable when the following obstacles are located between the monitor unit and camera unit.

- Metal doors or screens
- Walls containing aluminum-sheet insulation
- Walls made of concrete or corrugated iron

- Double-pane glass windows
- Multiple walls
- When using the monitor unit and camera unit on separate floors or in different buildings

Note:

-  is displayed on the monitor unit when the camera unit is out of range.

Usage area cautions

Using the monitor unit in the following areas may cause deformation, malfunction, or operational failure.

- In direct sunlight
- Areas exposed to grease or steam, such as kitchens
- Near fire or heating devices
- Near magnetic fields (such as near microwaves and magnets)
- Areas subject to extreme temperature changes, such as next to air conditioners
- Areas with reflective objects, such as glass, that can interfere with detection of temperature variation
- Areas where the temperature is affected by strong illuminating objects (such as fluorescent lights)
- Near devices that emit strong radio waves, such as mobile phones

Testing the baby monitor system

Before using your baby monitor system, you should perform a test run to ensure that the system is configured correctly. For example, test the motion sensor, microphone, and speaker.

Testing the motion detection range

After setting up the camera unit and monitor unit, you can use your monitor unit to test the performance of the camera unit's motion detection feature.

Getting Started

- 1 Move to an area within the camera unit's viewable area.
- 2 While moving near the camera unit, use your monitor unit to observe where you are in the viewable area when the camera unit's motion detection feature is triggered.
 - When the motion detection feature is triggered,  is displayed on the monitor unit screen in green or amber depending on the level of motion detected.
- 3 Note the areas of the viewable area where movement is detected, and make adjustments as necessary.

Note:

- You can adjust the area detectable by the motion sensor (page 27).

Testing the camera unit's microphone

To test the camera unit's microphone, speak loudly and clearly into the microphone while a monitor unit user is viewing live images from the camera unit.

Testing the camera unit's speaker

To test the camera unit's speaker, press and hold , and talk into the monitor unit while someone is listening to the camera unit.

Note:

- Make sure to adjust the camera unit's speaker volume to a suitable level when testing the speaker (page 20).

Baby monitor

The baby monitor system allows you to listen and view images on a monitor unit from a room where the camera unit is located. With the use of smart features (page 25), the monitor unit notifies you when the camera unit's sensors are triggered, and you can also play lullabies from the camera unit.

Important:

- You should perform a test run of the baby monitor system before using it (page 17).
- The baby monitor system should not be used as a substitute for a medical or caregiver's supervision. It is the caregiver's responsibility to stay close enough to handle any eventuality.

Viewing live camera images

Images from the camera unit are automatically displayed on the monitor unit when the monitor unit is turned on.

Night vision mode

The infrared LEDs of the camera unit make it possible to view camera images even when the area surrounding the camera unit is dark.

Note:

- When night vision mode is active, camera images are displayed in black and white.

Adjusting camera images from the monitor unit

From the monitor unit, you can adjust the area viewed by the camera unit by using the pan/tilt. While viewing images from the camera unit, press [◀] or [▶] to adjust the pan range and [▼] or [▲] to adjust the tilt range.

Note:

- The sound sensor and motion sensor do not function during and for 5 seconds after pan/tilt operations.
- Only adjust the pan/tilt with operations from the monitor unit. Do not adjust the pan/tilt of the camera unit by hand.

Camera zoom

The camera zoom can be used to zoom in on images displayed on the monitor unit.

1 [SMART]

2 [▼]: Select the desired setting. → [MENU]

- The setting is saved and the screen is switched to the selected setting.

Listening/talking to the camera unit

Listening to the camera unit

Sound from the camera unit is heard on the monitor unit while the monitor unit is turned on, and even when it is in sleep mode and images are not displayed.

Note:

- Sound is not heard on the monitor unit when it is turned off or when it is out of range of the camera unit.
- You can adjust the speaker volume of the monitor unit (page 20).

Talking to the camera unit

While viewing images from the camera unit, press and hold [🗣️] on the monitor unit to talk.

Release [🗣️] to finish talking.

Note:

- You can adjust the speaker volume of the camera unit (page 20).
- Sound from the camera unit will not be heard on the monitor unit while talking.
- When pressing [🗣️], make sure to not cover the microphone (page 10) with your fingers.

Using the Baby Monitor

Adjusting the speaker volume

Monitor unit

- 1 While viewing images from the camera unit, press [**1/4**].
- 2 [**↕**]: Select the desired setting. → [OK]

Camera unit

- 1 [MENU]
- 2 [**↕**]: "Camera Speaker Vol." → [OK]
- 3 [**↔**]: Select the desired setting. → [OK] → [MENU] repeatedly to exit.

Adjusting the chime/beep volume

The monitor unit plays chimes and beeps to indicate the status of the monitor unit and camera unit sensors. You can adjust the volume of chimes/beeps, or turn them off.

- 1 [MENU]
- 2 [**↕**]: "Monitor Settings" → [OK]
- 3 [**↕**]: "Beep Volume" → [OK]
- 4 [**↕**]: Select the desired setting.
 - To turn off chimes/beeps:
[**↕**]: "OFF"
- 5 [OK] → [MENU] repeatedly to exit.

Adjusting the brightness of camera images

- 1 While viewing images from the camera unit, press [**1/4**].
- 2 [**↔**]: Select the desired setting. → [OK]

Adjusting the sleep mode

Sleep mode is used to automatically turn off the display of the monitor unit when the monitor unit has been inactive for a specified period of time. You can select how long the monitor unit is inactive for before it enters sleep mode, or turn off sleep mode.

- 1 [MENU]
- 2 [**↕**]: "Monitor Settings" → [OK]
- 3 [**↕**]: "Sleep Mode" → [OK]
- 4 [**↕**]: Select the desired setting.
 - To turn off sleep mode:
[**↕**]: "OFF"
- 5 [OK] → [MENU] repeatedly to exit.

Configuring the temperature sensor

You can specify how the temperature units (Celsius or Fahrenheit) are displayed on the monitor unit and the alert range. For the alert range, specify an upper and lower limit. If the temperature of the room where the camera unit is installed goes outside of these limits, the monitor unit will notify you by lighting the smart LED indicator, playing a chime, etc.

Configuring the temperature units

- 1 [MENU]
- 2 [**↕**]: "Sensor Settings" → [OK]
- 3 [**↕**]: "Temperature Sensor" → [OK]
- 4 [**↕**]: "Units" → [OK]
- 5 [**↕**]: Select the desired setting. → [OK] → [MENU] repeatedly to exit.

Configuring the alert range

- 1 [MENU]
- 2 [**↕**]: "Sensor Settings" → [OK]
- 3 [**↕**]: "Temperature Sensor" → [OK]

Using the Baby Monitor

- 4 [↕]: "Alert Range" → [OK]
- 5 [◀▶]: "Lower Limit"
- 6 [↕]: Specify the desired temperature.
- 7 [◀▶]: "Upper Limit"
- 8 [↕]: Specify the desired temperature.
- 9 [OK] → [MENU] repeatedly to exit.

Playing/cancelling lullabies manually

You can select from a range of lullabies and manually play them from the camera unit, or cancel them.

Note:

- Make sure to check the camera unit's speaker volume before playing lullabies (page 20).
- The auto lullaby feature can be used to play lullabies automatically (page 26).

Selecting a lullaby

- 1 [MENU]
- 2 [↕]: "Lullaby" → [OK]
- 3 [↕]: "Sound List" → [OK]
- 4 [↕]: Select the desired lullaby.
 - To cancel a lullaby:
[↕]: "OFF"
- 5 [OK] → [MENU] repeatedly to exit.

Note:

- Lullabies can also be cancelled by pressing [⏏] on the camera unit.
- If the monitor unit is turned off while selecting lullabies, the lullaby will continue to play from camera unit for the specified time.

Selecting a lullaby play time

You can specify the time that lullabies play for.

- 1 [MENU]
- 2 [↕]: "Lullaby" → [OK]
- 3 [↕]: "Play Time" → [OK]

- 4 [↕]: Select the desired play time.
- 5 [OK] → [MENU] repeatedly to exit.

Selecting camera units/using auto scan

If there are multiple camera units registered to the monitor unit, you can select which camera unit's images to view, and also use auto scan. Auto scan automatically switches images from each camera unit every 10 seconds. See page 28 for information on adding camera units.

- 1 [MENU]
- 2 [↕]: "Camera Select" → [OK]
- 3 To select camera units:
[◀▶]: Select the desired camera unit.
To select auto scan:
[◀▶]: [F]
- 4 [OK]

Note:

- When a camera unit is selected, sound detection, motion detection, and temperature detection notifications are only received from the selected camera unit. Notifications from other camera units will not be received.

Programming

Menu list

Items in the menu list can be configured in the following method.

- 1 **[MENU]**
- 2 Press **[▼]** or **[▲]** to select the desired main menu. → **[OK]**
- 3 Press **[▼]** or **[▲]** to select the desired item from the sub-menus. → **[OK]**
- 4 Press **[▼]**, **[▲]**, **[◀]**, or **[▶]** to select the desired setting. → **[OK]**

Note:

- To exit the operation, press **[MENU]** repeatedly.
- In the following table, < > indicates the default settings.
- The number of sub-menus varies depending on the setting.

Display the menu tree

Main menu	Sub-menu 1	Sub-menu 2	Settings	Page
Camera Zoom	—	—	<(1X)> (2X)	19
Lullaby ^{*1}	Sound List	—	1. Lullaby1-10. Heart beat <OFF>	21
	Play Time	—	5 min-120 min <15 min>	21
Smart Notification	Sound Notification	—	<Screen lit + Notify> Screen lit only OFF	26
	Motion Notification	—	<Screen lit + Notify> Screen lit only OFF	26
Auto Lullaby	Sound List	—	1. Lullaby1-10. Heart beat Random <OFF>	26
	Sound Detect Level ^{*2}	—	High <Normal>	26
	Detection Time ^{*2}	—	15 sec 30 sec 45 sec <60 sec> 90 sec	27
	Play Time ^{*2}	—	5 min-120 min <15 min>	27

Programming

Main menu	Sub-menu 1	Sub-menu 2	Settings	Page
Timer	–	Once	<1H> 2H 3H 4H 5H 6H	28
	–	Repeat	<1H> 2H 3H 4H 5H 6H	28
	–	OFF	–	28

Programming

Main menu	Sub-menu 1	Sub-menu 2	Settings	Page
Sensor Settings	Motion Sensor	Sensitivity	Level 7 (High) ^{*3} Level 6 ^{*3} Level 5 ^{*3} <Level 4 (Mid)> ^{*3} Level 3 ^{*3} Level 2 ^{*3} Level 1 (Low) ^{*3}	27
		Set Detection Area	—	27
	Sound Sensitivity	—	High : all sounds <Mid : all sounds> Low : all sounds ^{*4} High : baby sounds ^{*5} Mid : baby sounds ^{*5} Low : baby sounds ^{*4, *5}	27
	Temperature Sensor	Units	°C <°F>	20
		Alert Range	Upper Limit: 33 - 104 °F (1 - 40 °C) <80 °F (27 °C)>	20
			Lower Limit: 32 - 103 °F (0 - 39 °C) <60 °F (16 °C)>	20
	Camera Speaker Vol.	—	Level 1 - 6 <3> OFF	20
	Camera Brightness	—	Level 1 - 5 <3>	20
	Camera Management	Add Camera	—	28
		Delete Camera	Yes <No>	28
		Reset	Yes <No>	28

Programming

Main menu	Sub-menu 1	Sub-menu 2	Settings	Page
Monitor Settings	Sleep Mode	—	1min <3min> 5min OFF	20
	Beep Volume	—	3 2 <1> OFF	20
	Language	—	<English> Français Español	16
	Monitor Speaker Vol.	—	Level 1 - 6 <3> OFF	20
Camera Select ^{*6}	—	—	<1> (camera 1) 2 (camera 2) ^{*7} 3 (camera 3) ^{*7} 4 (camera 4) ^{*7} [F] (auto scan) ^{*7}	21
Information ^{*8}	—	—	—	—

*1 The preset lullabies in this product ("1. Lullaby1" - "10. Heart beat") are used with permission of © 2017 Copyrights Vision Inc.

*2 Can only be selected when a lullaby is selected for "Sound List".

*3 Change the settings to higher levels in the following situations. Otherwise, there is a possibility that detections may not be made correctly.

- when your baby and the camera unit are separated
- when monitoring newborn babies

*4 When sound is detected, the smart LED indicator is only lit in amber.

*5 Reduces false detections from sounds other than your baby's voice by reducing these sounds from the surrounding area.

If your baby's voice is not detected when using these settings, select a baby sounds setting with a higher sensitivity. If your baby's voice is still not detected, select an all sounds setting.

*6 Can only be selected when there are multiple camera units registered to the monitor unit.

*7 The number of camera units available for camera selecting or auto scan differs depending on the number registered camera units.

*8 Displays customer support Web address.

Smart features

With the use of smart features, you can coordinate the camera unit and monitor unit to respond automatically to detections from the

sensors. The smart features settings can be accessed by pressing **[SMART]** while viewing images from the camera unit.

Programming

Smart notification

By using the smart notification feature, you can specify how the monitor unit notifies you when motion or sound is detected by the camera unit, and configure motion detection to match the size of your baby. Depending on the settings, the monitor unit can notify you by lighting the smart LED indicator (page 16), displaying a message, and playing a chime.

Important:

- Depending on factors such as the usage environment, the monitor unit may not be able to notify you of sensor detections.

Note:

- Notifications continue for 1 minute. You can stop the notification by pressing [OK].

Configuring sound notifications

You can specify how the monitor unit notifies you when sound is detected, or turn off notifications.

- 1 [MENU]
- 2 [↕]: "Smart Notification" → [OK]
- 3 [↕]: "Sound Notification" → [OK]
- 4 [↕]: Select the desired setting.
 - To turn off sound notifications:
[↕]: "OFF"
- 5 [OK] → [MENU] repeatedly to exit.

Configuring motion notifications

You can specify how the monitor unit notifies you when motion is detected, or turn off notifications.

- 1 [MENU]
- 2 [↕]: "Smart Notification" → [OK]
- 3 [↕]: "Motion Notification" → [OK]
- 4 [↕]: Select the desired setting.
 - To turn off motion notifications:
[↕]: "OFF"
- 5 [OK] → [MENU] repeatedly to exit.

Auto lullaby

You can configure lullabies to be played automatically from the camera unit when sound is detected.

Note:

- Make sure to check the camera unit's speaker volume before playing lullabies (page 20).
- Auto lullaby does not function during the following.
 - while using or for 5 seconds after using the pan/tilt
 - while talking to the camera unit
 - while configuring lullabies to be played

Configuring the sound settings

You can specify which lullaby is played when sound is detected, or turn lullabies off.

- 1 [MENU]
- 2 [↕]: "Auto Lullaby" → [OK]
- 3 [↕]: "Sound List" → [OK]
- 4 [↕]: Select the desired lullaby.
 - To turn off lullabies:
[↕]: "OFF"
- 5 [OK] → [MENU] repeatedly to exit.

Note:

- If the monitor unit is turned off while selecting lullabies, the lullaby will continue to play from the camera unit for the specified time.

Configuring the sound detection level

You can adjust the level at which sound is detected. Increase or decrease the detection level needed to trigger the sound sensor.

- 1 [MENU]
- 2 [↕]: "Auto Lullaby" → [OK]
- 3 [↕]: "Sound Detect Level"^{*1} → [OK]
- 4 [↕]: Select the desired setting. → [OK] → [MENU] repeatedly to exit.

^{*1} This feature can only be selected when a lullaby is selected for "Sound List" (page 26).

Configuring the detection time

You can specify how long the sound sensor continually detects sound before the camera unit automatically plays a lullaby.

- 1 [MENU]
 - 2 [↕]: "Auto Lullaby" → [OK]
 - 3 [↕]: "Detection Time"^{*1} → [OK]
 - 4 [↕]: Select the desired setting. → [OK]
→ [MENU] repeatedly to exit.
- ^{*1} This feature can only be selected when a lullaby is selected for "Sound List" (page 26).

Configuring the play time

You can specify how long the camera unit plays lullabies when sound is detected.

- 1 [MENU]
 - 2 [↕]: "Auto Lullaby" → [OK]
 - 3 [↕]: "Play Time"^{*1} → [OK]
 - 4 [↕]: Select the desired setting. → [OK]
→ [MENU] repeatedly to exit.
- ^{*1} This feature can only be selected when a lullaby is selected for "Sound List" (page 26).

Sensors

You can configure the sensors to match how you want the motion and sound to be detected. The sensor configurations will also affect how the auto lullaby and smart notification features operate.

Configuring the motion sensor

You can specify the sensitivity of the motion sensor, and also which areas of images are used to detect motion.

Configuring the motion sensor sensitivity

Motion sensor sensitivity is configured using a combination of the following.

- the distance from the camera unit to your baby
 - the age of your baby in months
- Change the settings in accordance with the growth of your baby.

- 1 [MENU]
- 2 [↕]: "Sensor Settings" → [OK]
- 3 [↕]: "Motion Sensor" → [OK]
- 4 [↕]: "Sensitivity" → [OK]
 - A message is displayed. Press [OK] to continue.
- 5 [↕]: Select the desired setting. → [OK]
→ [MENU] repeatedly to exit.

Configuring the motion sensor detection area

- 1 [MENU]
- 2 [↕]: "Sensor Settings" → [OK]
- 3 [↕]: "Motion Sensor" → [OK]
- 4 [↕]: "Set Detection Area" → [OK]
 - An operation guide is displayed. Press [OK] to continue.
- 5 Press [▼], [▲], [←], or [→] to select a cell to disable detection for. → [OK]
 - Repeat for each cell to be disabled.
 - To enable detection for a disabled cell, select the disabled cell. → [OK]
- 6 When finished, press [↵] → [MENU] repeatedly to exit.

Configuring the sound sensor

You can specify the sensitivity of the sound sensor.

- 1 [MENU]
- 2 [↕]: "Sensor Settings" → [OK]
- 3 [↕]: "Sound Sensitivity" → [OK]
- 4 [↕]: Select the desired setting. → [OK]
→ [MENU] repeatedly to exit.

Programming

Timer

The timer can be used to play sound from the monitor unit after the specified number of hours has passed. The timer can be set to sound once or repeat at specified intervals.

- 1 [MENU]
- 2 [↕]: "Timer" → [OK]
- 3 [↕]: Select "Once" or "Repeat". → [OK]
- 4 [↕]: Specify when the timer is set for. → [OK] → [MENU]

Note:

- Timers play for 1 minute. Press [OK] to stop a timer. Press and hold [OK] for 5 seconds to stop timers from repeating.
- If the monitor unit is turned off after setting a timer:
 - "Once": The timer will be cancelled.
 - "Repeat": The timer will be played once the specified time has passed from when the monitor was turned on again.

Managing camera units

Up to 3 additional camera units can be registered to the monitor unit.

Registering a camera unit

Additional camera units can be registered to the monitor unit.

Monitor unit:

- 1 [MENU]
- 2 [↕]: "Camera Management" → [OK]
- 3 [↕]: "Add Camera" → [OK]
 - An operation guide is displayed. Press [OK] to continue.
 - Complete the following step within 90 seconds.

Camera unit:

- 1 Press and hold [••] for 3 seconds until the LED indicator starts blinking.

Note:

- A message is displayed on the monitor unit to show if the registration was successful or not, and a beep sounds.

Resetting the settings for a camera unit

The camera unit settings saved on a monitor unit can be reset.

Note:

- All camera unit settings except for registration settings are reset.
- Settings for all camera units registered to the monitor unit are reset.

- 1 [MENU]
- 2 [↕]: "Camera Management" → [OK]
- 3 [↕]: "Reset" → [OK]
- 4 [↔]: "Yes" → [OK]
 - A beep sounds from the monitor unit when resetting is completed.

Cancelling a camera unit

You can cancel camera units that are no longer needed.

Note:

- Only the currently connected camera unit is cancelled. To cancel other camera units, select the displayed camera unit (page 21) and then cancel that camera unit.

- 1 [MENU]
- 2 [↕]: "Camera Management" → [OK]
- 3 [↕]: "Delete Camera" → [OK]
- 4 [↔]: "Yes" → [OK]

Troubleshooting

General use

Problem	Cause & Solution
The monitor unit does not work.	- Make sure the battery is installed correctly (page 14). - Fully charge the battery.
The camera unit does not work.	Make sure the AC adaptor is connected to the camera unit and power outlet (page 12).
The monitor unit is turned off.	Press [⏻] located on the top of the monitor unit for about 2 seconds.
Noise is heard, sound cuts in and out.	You are using the monitor unit or camera unit in an area with high electrical interference. Re-position the monitor unit and use the camera unit away from sources of interference.
The monitor unit or camera unit does not sound.	The speaker volume is turned off. Adjust the speaker volume (page 20).

Monitor unit display

Problem	Cause & Solution
The display is in a language I cannot read.	Change the display language setting (page 16).
 is displayed.	- The monitor unit is too far from the camera unit. Move the monitor unit closer to the camera unit. - The camera unit's AC adaptor is not properly connected. Reconnect the AC adaptor to the camera unit. - The camera unit has not been registered to the monitor unit. Register the camera unit (page 28).
The monitor unit display is blank.	- The monitor unit is in sleep mode. Press any button on the monitor unit to activate the display. - The monitor unit is not turned on. Turn it on (page 16).
Images are white or black.	- The brightness of the display is not correctly adjusted. Adjust the brightness when images are displayed (page 20). - Place the camera unit in a different location or position.
Images are flickering.	AC (alternating current) lights such as fluorescent lights may cause flickering in dark environments. (This is not a malfunction.)

Useful Information

Battery recharge

Problem	Cause & Solution
The monitor unit beeps and  is displayed.	● Battery charge is low. Fully charge the battery (page 14).
The battery is not fully charged.	● The temperature for the charging conditions is too low or too high. Charge the battery within the specified charging condition range (page 31). ● The battery may not be installed. Install the battery (page 14). ● The battery may be deteriorated. Please visit www.panasonic.ca/english/support

Charge only mode

The charge only mode is the dedicated mode to charge the battery of the baby monitor. Do not use this mode if it is unnecessary because all functions except the baby monitor's battery charge are disabled with this mode.

■ To activate the charge only mode:

- 1 Press  (power) for about 2 seconds until the baby monitor shuts down.
- 2 Connect the charger to the baby monitor. After the LED indicator on the top of the baby monitor illuminates in amber color for about 30 seconds, the LED indicator turns off automatically. Then the baby monitor goes into charge-only mode.

■ To deactivate the charge only mode:

- Press  (power) for about 2 seconds until the LCD display of the baby monitor illuminates.

Specifications

- **Standards**
DECT (Digital Enhanced Cordless Telecommunications)
- **Frequency range**
DECT: 1.92 GHz – 1.93 GHz
- **RF transmission power**
DECT: 115 mW (max.)
- **Power source**
Camera unit (AC adaptor):
Input: 100 – 240 V AC, 50/60 Hz
Output: 5.0 V DC, 1,000 mA
Monitor unit (AC adaptor):
Input: 100 – 240 V AC, 50/60 Hz
Output: 5.0 V DC, 1,000 mA
- **Power consumption**
Camera unit:
Normal operation: 2.8 W
Night vision mode: 4.2 W
Sleep mode: 2.1 W
Monitor unit:
Charging: 3.9 W
- **Operating conditions**
Camera unit:
0 °C – 40 °C (32 °F – 104 °F)
up to 90 % relative humidity (non-condensing)
Monitor unit:
0 °C – 40 °C (32 °F – 104 °F)
up to 90 % relative humidity (non-condensing)
- **Charging conditions (monitor unit)**
5 °C – 40 °C (41 °F – 104 °F)
- **Transmitting range**
Up to 457.5 m (1,500 feet)*1
- **Image sensor**
0.3 megapixel CMOS
- **Minimum illuminance required**
0 lx*2
- **Focal length**
Fixed (0.4 m (1.3 feet) – infinity)
- **Angular field of view (camera angle)**
Horizontal: approx. 37°
Vertical: approx. 28°
- **Motion detection method**
Visual sensor
- **Detection range**
Motion sensor:
Horizontal: approx. 37°
Vertical: approx. 28°

- **Adjustable mounting angles**
Horizontal: ±136°
Vertical: facing forward - facing down
approx. +0° to -44°
(movable range with the pan/tilt)
- **Dimensions (height × width × depth)**
Camera unit:
Approx. 123 mm × 77 mm × 69 mm
(4 13/16 inches × 3 1/16 inches × 2 11/16 inches)
Monitor unit (flat):
Approx. 37 mm × 125 mm × 81 mm
(1 7/16 inches × 4 15/16 inches × 3 3/16 inches)
Monitor unit (stand):
Approx. 79 mm × 125 mm × 48 mm
(3 1/8 inches × 4 15/16 inches × 1 7/8 inches)
Display:
3.5 inches
- **Mass (weight)**
Camera unit:
Approx. 224 g (0.49 lb)
Monitor unit:
Approx. 208 g (0.46 lb) including the battery

- *1 When used in the direction of maximum radiation, in the line of sight, and with no interference.
- *2 The infrared LEDs that surround the camera lens will illuminate in low-light conditions.

Appendix

Other notices and information (for Canada)

NOTICE:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

RF Exposure Warning:

- This product complies with ISED radiation exposure limits set forth for an uncontrolled environment.
- To comply with ISED RF exposure requirements, the device must be installed and operated 20 cm (8 inches) or more between product and all person's body.

Warranty

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC PRODUCT - LIMITED WARRANTY

EXCHANGE PROGRAM

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship under normal use and for a period as stated below from the date of original purchase agrees to, at its option either (a) repair your product with new or refurbished parts, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by Panasonic Canada Inc.

Home Network System Products – One (1) year microSD card (Included model only) – One (1) year

This warranty is given only to the original purchaser, or the person for whom it was purchased as a gift, of a Panasonic brand product mentioned above sold by an authorized Panasonic dealer in Canada and purchased and used in Canada, which product was not sold "as is", and which product was delivered to you in new condition in the original packaging.

IN ORDER TO BE ELIGIBLE TO RECEIVE WARRANTY SERVICE HEREUNDER, A PURCHASE RECEIPT OR OTHER PROOF OF DATE OF ORIGINAL PURCHASE, SHOWING AMOUNT PAID AND PLACE OF PURCHASE IS REQUIRED

LIMITATIONS AND EXCLUSIONS

This warranty **ONLY COVERS** failures due to defects in materials or workmanship, and **DOES NOT COVER** normal wear and tear or cosmetic damage. The warranty **ALSO DOES NOT COVER** damages which occurred in shipment, or failures which are caused by products not supplied by Panasonic Canada Inc., or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, improper batteries, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Authorized Servicer, or damage that is attributable to acts of God.

Dry cell batteries are also excluded from coverage under this warranty. Rechargeable batteries are warranted for ninety (90) days from date of original purchase.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY. (As examples, this warranty excludes damages for lost time, travel to and from the Authorized Servicer, loss of or damage to media or images, data or other memory or recorded content. This list of items is not exhaustive, but for illustration only.)

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable. This warranty gives you specific legal rights and you may have other rights which vary depending on your province or territory.

CONTACT INFORMATION

For product information and operation assistance, please visit our Support page:

www.panasonic.ca/english/support

For defective product exchange within the warranty period, please contact the original dealer.

For assistance, visit www.panasonic.ca/english/support

Notes

Notes

For your future reference

We recommend keeping a record of the following information to assist with any repair under warranty.

Serial No.	Date of purchase
(found on the rear of the unit) Name and address of dealer	
Attach your purchase receipt here.	

Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3

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