WISENET

BabyView eco
Wireless Video Baby Monitor

User Manual

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with dry cloth.

7. Do not block any ventilation openings, install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If t he provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/ accessories specified by the manufacturer.

12. Unplug this apparatus during lighting storms or when unused for long periods of time.

13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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SPECIFY SERVICE INSTRUCTIONS AND WARRANTY TERMS

FCC Compliance Statement

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.

FCC Interference Statement

CE 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 correct the interference by one 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 which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

CAUTION

Risk of explosion if battery is replaced by an incorrect type.
Dispose of used batteries according to the instructions.

The transmission range of the wireless signal may weaken if heavy obstructions such as a concrete, brick, or metal walls are between the camera and monitor, or if there are several Wi-Fi routers and devices in your environment.

To avoid interference wifh RF signal, keep your cell phone at least 3ft away from the Camera and Monitor.

FCC Radiation Exposure Statement for Wireless Camera (FCC ID : NLMSEB101CRWN)
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

WARNING

- STRANGULATION HAZARD - Keep cord out of child's reach. NEVER place camera or cords within 3 feet of crib or playpen. Never use extension cords with AC Adapters. Only use the AC Adapters provided.
- Some adult assembly or installation required.
- This product contains small parts that may cause choking. Keep small parts away from children.
- This product is NOT intended to replace proper supervision of children. You MUST check your child's activity regularly, as this product will not alert parents to silent activities of a child.
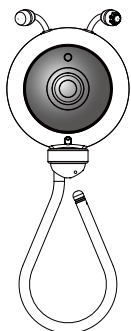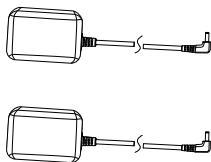
- Before using this product, read and follow all instructions contained in this booklet, and read and follow all instructions and warnings on the product.
- NEVER use the transmitter or monitor near water, including near a bathtub, sink, laundry tub, wet basement, etc.
- This product is intended for indoor use only.
- This product is not intended for use as a medical monitor and its use should not replace adult supervision.
- The transmitter detects normal sound levels within a range of 2 to 3 meters (6 to 10 feet) from a child. If the child moves outside of this range, it may not be able to detect sounds from him or her.
- It is essential that you check the operating range and condition of the transmitter monitor on initial installation, and on a regular basis after that.
- Check reception regularly. Test monitor before use and after changing camera location.
- Do not take apart the product by yourself.
- To prevent overheating, keep the product and AC power adapters away from any direct sunlight and heat sources such as radiators, heat registers, cooking devices (e.g., stoves and ovens) and other appliances that produce heat (e.g., amplifiers, televisions and stereos).
- Ensure that the product is well ventilated during use. Avoid contact with pillows and furniture that may block ventilation.
- Use only the AC adapters provided with the product, as other adapters may damage the product. Plug the adapters only into standard household current (100~240 volts AC). Place the AC adapters avoiding pinch points otherwise you can damage the adapters.
- When an AC adapter is plugged into a power source, DO NOT touch the exposed end of the AC adapter's cord.
- Do not use extension cords with the AC power adapters to avoid entanglement.
- This product should only be serviced by qualified and authorized Hanwha Techwin service centers.
- Images and sounds are transmitted by the product over public airwaves and transmissions may be picked up by other units. (Although the transmission distance is 100m or longer, it may vary depending on whether there are obstacles between the camera and the monitor.)
- Caution if you use the system to watch a young child, do not place the camera where the child can reach.
- When using the system with only battery power and the charge is low, then the picture and or sound may affected.
- If this occurs then please connect the AC power adapter.

◎ **What's Included** (Package Contents)

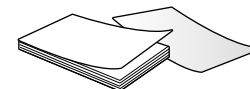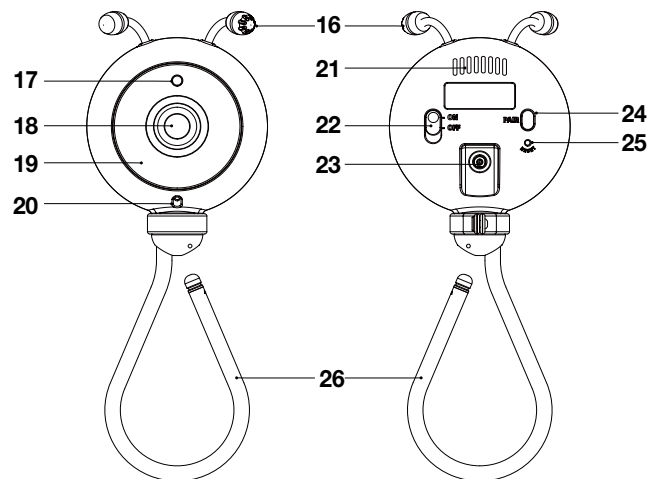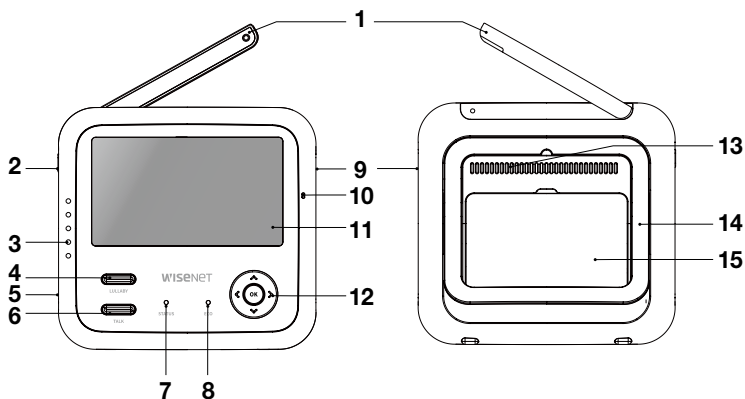Wireless camera   Wireless monitor   Camera / Monitor Adapters   Plastic Wall Mount   Plastic anchor (2EA) Screw (2EA)   User Manual / Warranty Card

> ▪ Check your package to confirm that you have received the complete system, including all components shown above.
> ▪ You must have more than one camera configured to the system when using functions that require more than one camera.

◎ **Product Overview**

1. Antenna	6. Talk Button	11. Color TFT4.3" LCD	16. Temprature Sensor	21. Speaker	26. Flexible Stand
2. Power On/Off	7. Status LED	12. Direction / OK Button	17. Low Light Sensor	22. Power Slide Switch
3. Sound Indicator LED	8. ECO LED	13. Speaker	18. Lens	23. DC 5V Power Input
4. Lullaby Button	9. Mode Button	14. Kick Stand	19. IR LEDs	24. Pair Button
5. DC 5V Power Input	10. Microphone (Monitor)	15. Battery	20. Microphone (Camera)	25. Reset Button

⏰ Getting Started

Powering Your system

After opening the box, fully charge the monitor before use. After initial charge, recharge as needed.
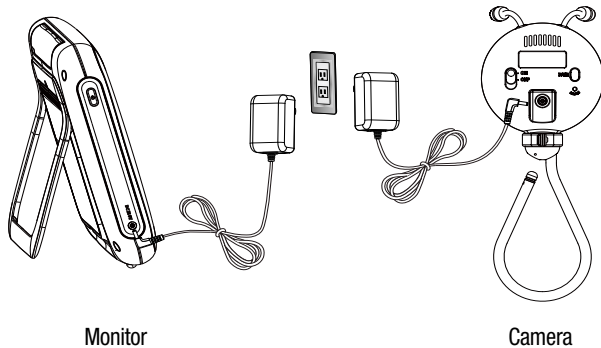
Monitor   Camera

1. Fully charge the system before use. Camera must be plugged in at all times.

2. Push the power button for about 2-3 seconds to turn on the monitor.

3. To turn the camera "On", turn on the power switch located on the back of the camera. A red LED indicator will illuminate if it is turned on.

📝 ▪ You can use the monitor while it is charging.

   ▪ Fully charged time (Monitor - 50 ~ 60min)

Pairing Camera and Monitor

The units already come paired for your convenience.

The pair button is used to pair additional cameras. Users can assign numbers to the cameras. Up to 4 Cameras may be paired.

If you have additional camera, pair your camera as follow:

1. Power on wireless monitor and wireless camera.

2. Press "OK" button to make the settings icon appear on the screen.

3. Select [📷] icon.

4. Select camera number.
   The monitor will search for the camera when set to pairing mode. A countdown clock will appear in the middle of the screen and will start counting from 30 to 0.

5. Press the [PAIR] button found on the rear of the camera.

6. If the monitor successfully pairs with the camera within the 30 seconds, the monitor will automatically switch to the camera's current view.

Indicator Description
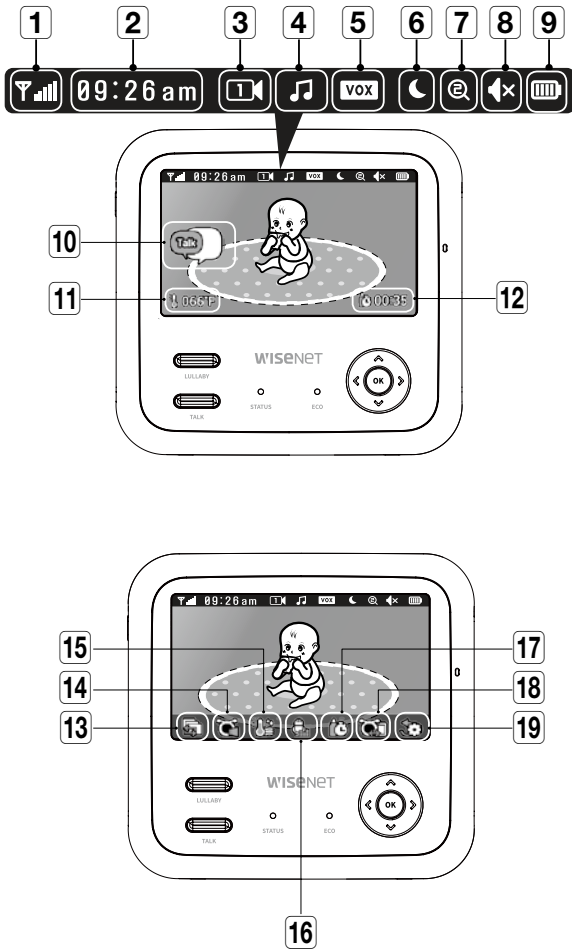
No.	Icon	Name	Description
1	Y.ill	Signal Indicator	Shows the strength of the signal being received from the camera. If no bars indicate then the system is "out of range".
2	09:26am	Digital Clock	Displays the time that is set on the monitor. It only provides AM/PM time format and no 24hour format.
3	1	Camera Number	Indicates which camera is being displayed on the current screen.
4	♫	Lullaby condition	Indicates lullaby is playing or not.
5	VOX	Vox on/off condition	Indicates whether the VOX function is On/Off.
	ECO	Eco on/off condition	Indicates whether the ECO function is On/Off.
	VIDEO	Video on/off condition	Indicates whether the VIDEO function is On/Off.
	AUDIO	Audio on/off condition	Indicates whether the AUDIO function is On/Off.
6	☾	Night Vision	Indicates that the camera's night vision mode is on.
7	@	Zoom mode	Indicates Zoom mode. x1 / x2 Each time you press and hold "OK" button, it will zoom in and out sequentially.
8	◀×	Monitor Audio Mute	Indicates the monitor's speaker is muted.
9	IIII	Battery Power Level	IIII Fully Charged ⚡ Charging (If the battery in charging, above 2 icons show alternately) ▭ Low Battery
10	Talk	Two-way talk	Press the talk button while talking.
11	066°F	Temperature Display	Notation unit : Fahrenheit/Celsius.

No.	Icon	Name	Description
12	ⓒ 00:35	Feed time Display	Reminder for baby's feeding time.
13		View menu	Select camera / viewing mode.
14		Cam volume menu	Set camera volume 1~5 level.
15		Temperature menu	Select temperature to display on / off / setting.
16		Vox sensitivity menu	Set VOX OFF, low or high sensitivity.
17		Feed timer menu	Set the feed time shown on the monitor or off.
18		Pairing menu	Select cam 1~4 you wish to pair or unpair.
19		Time & Reset	Set time or reset monitor to the factory settings.

Button Description

Monitor

- Mode button: To change mode "VOX - ECO - VIDEO - AUDIO - VOX". Mode setting: OK button press or 5 sec time out.

- Power button: 1) Long pressed it 2~3 second to turn on/off monitor 2) In the OSD mode, press it to return to the previous interface.

- Lullaby button: 1) Show a list of lullabies (1~4: lullaby, 5~7: White noise, All: whole lullabies of 1~4).You can play the lullabies with pressing OK button 2) Stop and remove the lullaby list from the screen.

- Talk button: Pess and hold it to speak.

- OK button: 1) Display menu and confirm 2) In view mode, each time you press and hold the OK button, it will zoom in and out sequentially.

- Direction button: 1) Select menu 2) In view mode, left & right button to adjust monitor brightness, up & down to adjust monitor volume.

Camera

- Reset button : Press the reset button ≥ 3sec to reset the camera.

- Power switch: Turn on/off the camera.

- Pair button: To pair camera and monitor.

Functional Description

VOX (Voice activated)

Select to monitor and listen for significant sound levels with reduced ambient noise.

The screen goes off in "VOX" mode if there is no significant sound louder than a certain level about 30 seconds. The monitor screen turns back on as soon as it detects sound around the camera.

In "VOX" mode, you can set the sensitivity.

- Low Sound Level Detection : Sets to higher sensitivity.
- High Sound Level Detection : Sets to lower sensitivity.

ECO Mode

Energy-saving mode. The screen goes off in "ECO" mode if there is no significant sound louder than a certain level about 30 seconds. And in ECO mode, the monitor doesn't deliver any back ground sound and the camera enter the power saving mode. The RF radiation will also decrease. The monitor screen turns back on as soon as it detects sound around the camera.

Video Mode

The screen is always on in "Video" mode, monitoring the video and audio around the camera.

Audio Mode

The screen goes off in "Audio" mode, monitoring the audio around the camera only, the screen will be turned on when any buttons on the monitor are pressed.

No Signal Warnings

The "Out of Range" message means the monitor cannot access the camera. Please reposition the camera, or check the camera power.

When your baby monitor displays the "Out of Range" message, please move the baby monitor closer to the camera.

Sequence View

Select view menu to enter sequence views. It will start at Cam1, and will automatically switch to the next camera, Cam 2, after 10-seconds.

The "Sequence View" will continue to change between cameras. If you want to see the detail from current viewing camera, then you just press OK button.
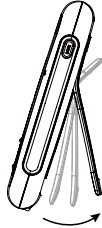
⊙ How to install

CAUTION: If you use the system to watch a young child, do not place the camera within the child's reach.

Wireless Monitor

1. Place the monitor in an area that provides clear reception to your camera(s).
2. Pull out the stand.

📝 ▪ Do not pull up the stand lever with excessive force.

Wireless Camera

Before you install the camera, carefully plan where and how it will be positioned, and where you will route the cable that connects the camera to the power adapter.
Before starting permanent installation, verify its performance by observing the image on the monitor when camera is positioned in the same location/position where it will be permanently installed and the monitor is placed in the location where it will be used most of the time.

Installation Warnings

Aim the camera(s) to best optimize the viewing area: Select a location for the camera that provides a clear view of the area you want to monitor, which is free from dust, and is not in line-of-sight to a strong light source or direct sunlight.

Avoid installing the camera where there are thick walls or obstructions between the camera and the monitor.

STRANGULATION HAZARD - Keep cord out of child's reach. NEVER place camera or cords within 3 feet of crib or playpen. Never use extension cords with AC Adapters. Only use the AC Adapters provided.
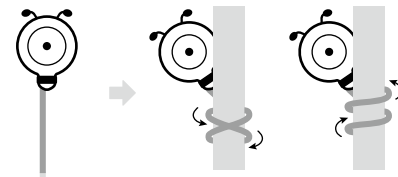
Installation Guide of the Camera

1. Mount the camera to the wall
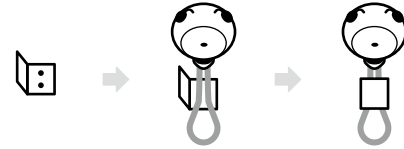
2. Stand the camera on a shelf or table
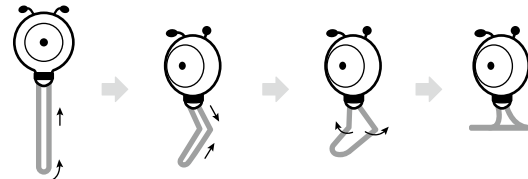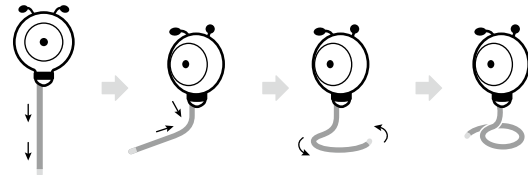
3. Wrap around the railing

📝 ▪ On the bottom part of the camera there is a dot marked that shows the detachable part.

Trouble Shooting

Problem	Solution
No picture from a camera	**1.** Check all connections to the camera. Make sure the adapter is plugged in. **2.** Make sure that the cameras and monitor are both ON. **3.** Make sure that the camera is in range of the monitor. **4.** Make sure the camera and monitor are paired. **5.** Adjust the monitor antenna to a vertical position.
The picture is or has become choppy	The picture may become choppy when experiencing a lower frame rate (i.e. 10 frames per second vs. a higher 20 frames per second). **1.** Try moving the camera closer to the monitor. **2.** Remove obstructions between the monitor and camera. **3.** Adjust the monitor antenna to a vertical position.
No sounds (even with both units turned on)	**1.** Make sure that the power adapter is connected to the camera. **2.** The battery on the monitor may be dead, be sure to charge it using the adapter included. **3.** The monitor may be out of range from the camera.
Your BabyView eco is emitting an high pitched noise/ feedback.	This sound is normal feedback which occurs if the monitor and camera are too close together. Move them further apart.
Monitor screen is frozen.	Restart your monitor and check the connection to the camera. If the baby monitor displays the "Out of Range" message, move the monitor closer to the camera.

■ Low batteries will cause the supply current to become unstable and will affect the quality of the video/audio. Please charge the battery fully for superior video.

Product Specifications

Item	Details
System General	
Operating Frequency Range	2400 MHz~2483.5 MHz
Type of Spread Spectrum TX	FHSS
Type of Modulation	GFSK
Number of Camera Support	Up to 4 cameras
Data Rate	4Mbps
Transmission range	Up to 900ft (line of sight, no obstruction)
Regulation Compliance	FCC/CE(RoHS)
Operating Environment	32℉~+104℉ / 85% RH /Indoor use only
Wireless Camera	
Image Sensor Type	1/4" Color CMOS Image Sensor
Effective Pixel	640x480 (VGA)
Image Compression	MJPEG
Lens	EFL=4.5mm, F=2.0 (Viewing Angle D:55degree)
Night Vision	5m in the dark with Non-visible IR LEDs x 8pcs
White Balance	Auto
Lullabies	4songs + 3 white noises (Remote On / Off)
Temperature sensor	Yes (+/-2 degree)
Power Requirement	DC 5V ±10%
Power Consumption	5.0Watt (max)
VOX level detection	High: 50dBA / Low: 65dBA
Audio	Built in Microphone/ Speaker
Wireless Monitor	
Display Information	4.3" 480x272 Color TFT
Digital Zoom	X1 , X2
Real Time Clock (RTC)	+/- 2sec / day
Power Requirement	Adapter : DC 5V ± 10%, Battery : 3.8V Li-ion
Power Consumption	5.0Watt (max)
Audio	Built in Microphone/ Speaker
Rechargeable Battery	2500mAh Li-ion Polymer
Battery time duration	Monitor on - 6 hours / Audio only - 10 hours and above

Hanwha Techwin cares for the environment at all product manufacturing stages, and is taking measures to provide customers with more environmentally friendly products. The Eco mark represents Hanwha Techwin's devotion to creating environmentally friendly products, and indicates that the product satisfies the EU RoHS Directive.

Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

MEMO

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CE