Carebaby

② Camera
⑤ Hanging Hold
⑩ ON/OFF Button
③ Re-set Button
⑥ Speaker
④ LED Light Red&Blue
③ Temperature Sensor
① Power Cord
⑨ Humidity & Temperature Sensor
⑦ Microphone

FRONT VIEW   BACK VIEW

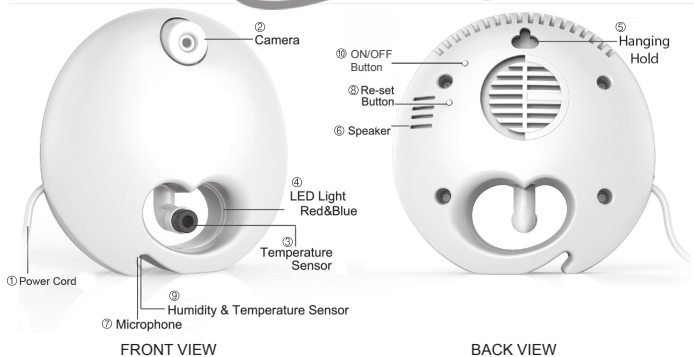## PRODUCT OVERVIEW

1. Power Cord (6ft./1.8m)
2. Camera with Heart and Respiratory sensor
3. Temperature sensor
4. LED Light (Red/Green/Blue)
5. Hanging Tag
6. Speaker
7. Microphone
8. Reset Button
9. Room Temperature/Humidity sensor
10. Power Button

SAFETY WARNING

Warning. Not suitable for children under 18 months. Long cord. Strangulation hazard.

To read the most accurate measurement data, please read this instruction manual carefully and follow the instructions before use

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IMPORTANT

No matter what kind of temperature measurement you choose, you need the right skills to measure the exact temperature. In order to assist you to use CareBaby more effectively, please read this manual carefully.

CareBaby uses a multi-point sensor to read temperature changes. We understand the surface temperature of human body in all ages will be different according to different environments.

- CareBaby need to position up tp 1 meter/39" inches away from your baby's face
- CareBaby best measured ambient environment is between 24-27 ˚C (75.2-80.6 ˚F)
- CareBaby need to be in a light environment at least 100 lux , in order to measure the heart rate and respiratory rate
- Newborns and 2-year-old infants have faster heartbeat and respiratory rate, therefore no data on heartbeat and breathing record will display in Apps. However if CareBaby detects lower or abnormal heart rate and respiratory rate for newborns or infants (under 2 years old), CareBaby has push notification function to send the notice user's smartphone
- This is ONLY for household product
- CareBaby is not a substitute for a physician's treatment
- Keep the product out of reach of children

Temperature

The normal body temperature has a certain range. The following table listed the range of normal body temperature in different part of the body by using different type of measurement thermometers. Thus different part of body has different temperature, so the data should not be directly compared. CareBaby's data is based on mercury thermometers.

Different part of body temperature	
CareBaby[1]	34.9-37 .6˚C / 94.8-99.7 ˚F
armpit[2]	34.7-37.3 ˚C / 94.5-99.1 ˚F
Rectal	36.6-38.0 ˚C / 97.9-100.4 ˚F
Oral	35.5-37.5 ˚C / 95.9-99.5 ˚F
Ear[3]	35.8-38 .0˚C / 96.4-100.4 ˚F
Forehead	35.0-37.0 ˚C / 95-98.6 ˚F

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[1] Zhang Dong, Wen Baozhu. Analysis of The Facial Temperature Distribution and The Facial Infrared Thermogram of Healthy Persons. Acupuncture Institute of China Academy of TCM, Beijing 1922.
[2] Chamberlain, J.M., Terndrup, T.E., New Light on Ear Thermometer Readings, Contemporary Pediatrics, March 1994.
[3] Chamberlain, J.M., et al., Determination of Normal Ear Temperature with an Infrared Emission Detection Thermometer, Annals of Emergency Medicine, January 1995.

In addition, each person's normal body temperature range will also change by different age. The table below lists the normal temperature ranges for different age groups。

Normal body temperature for different ages	
Infant	36.4-38.0 ˚C / 97.5-100.4 ˚F
3-10 years	36.1-37.8 ˚C / 97.0-100.0 ˚F
11-65 years	35.9-37.5 ˚C / 96.6-99.7 ˚F
65+	35.8-37 .4˚C / 96.4-99.5 ˚F

The normal range of body temperature varies from person to person. At different times of the day, the temperature and humidity of the environment can also cause different changes in body temperature. Therefore, it is important to determine your normal range of body temperature!

Heart Rate

A normal person's heart rate has a regular beating pattern. Normal heart rhythm is about 60 to 80 times per minute. Usually the speed of pulse beat is related to age and gender. Of course younger age will occur faster too. The following table lists the heartbeat ranges for different age groups.

Different heart rate beating/ every min.	
Infants	130-150
baby	125-135
Youth	65-100
Adult	60-110
Elder	60-100

(Source: Yen Fan, Chu., Physical Assessment., KingNet Medical2015)

Respiratory Rate

The number of breaths per minute is called the respiratory rate. Of course, different age groups and genders will affect the breathing rate. The following table lists the breathing ranges of different age groups.

Respiratory Rate for different age group/ mins	
Infants	40-50
Baby	30-40
Audlt	16-20

(Source: Cardiac children's foundation Taiwan)

- If CareBaby is operated within an unspecified temperature and humidity range, the accuracy of the body temperature measurement cannot be confirmed.
- CareBaby cannot confirm the accuracy of heartbeat and respiratory measurements if there is not enough light

How To Use/Connect CareBaby

1. Thank you for purchasing the Carebaby video camera.
2. The first time you open the Carebaby app it will bring you to the account settings screen, please select Register Account.
3. Please complete all *required fields to register your Carebaby account, which includes an email address, a password, and the product code [QFXXXXXXXXXX] located on the back of the Carebaby camera. Once all *required fields are complete, please press confirm.
4. Once you have registered your account, please plug the Carebaby camera into a wall outlet (please using only the USB AC adapter included.)
5. The Carebaby camera will turn on with a solid red light. Within a minute, the light will begin flashing red and blue, indicating it is ready to search for Wi-Fi.
6. Now click on the Settings icon at the bottom of the app and select Wi-Fi setup from the menu.
7. Type in your network Wi-Fi name and password, then press confirm. Now your smartphone will generate a QR code, please face this QR code in front of CareBaby camera (about 10-15cm) like below.

[NOTE: Please ensure that during this step the Carebaby camera's light is flashing red and blue. If the light is solid red and not flashing red and blue, then please follow (CAMERA Wi-Fi RESET) instruction below.]

CAMERA Wi-Fi RESET / SETTING UP A NEW NETWORK

Press and hold the reset button on the back of the camera until you see the red light flashing, then let go of the button. Within a few seconds, the light will begin to flash red and blue allowing you to repeat step 6 to set up a new Wi-Fi hotspot network connection. To setup a new network connection, please follow the above Wi-Fi Reset instructions and then proceed to repeat step 5 to step 7

8. When QR code and Carebaby scan successfully, you will hear Welcome to Carebaby" message from the camera and the light will change to solid white.
9. Please wait a minute for the light to turn green; this indicating CareBaby has successfully connected to Wi-Fi and ready to use.

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10. Return to the home screen on the Carebaby app to view your baby's facial temperature, heart rate, respiratory rate, room temperature and humidity. [NOTE: For the most accurate vitals results please mount and position the Carebaby camera up to 1 meter/39" inches away from your baby's face, and focus the camera straight onto the face of your baby for at least 2 minutes, and then you can see the results on the home screen.]
11. The temperature scale setting allows you to switch between F or °C
12. You can also press the Video icon at the bottom of the Carebaby app to turn on the video camera and see your baby on your mobile phone with two-way audio communication. If you do not want your baby to hear you, then simply turn off "Send Audio" [NOTE: Connection Quality is dependent upon your Wi-Fi signal strength. If you are unable to view live video, please lower the quality.]
13. ON/OFF the alert notifications to your mobile phone. You can choose ON/OFF alert notification for facial temperature; heart rate; respiratory rate; room temperature & room humidity individually. [NOTE: We highly recommend that you turn ON and allow all alert notifications. If your baby's vitals changes you will receive an alert notification on your smartphone]

⚉ Please be aware that infants and under 2 years old baby has faster heart rate and respiratory rate. CareBaby will not have data display for infants or baby under 2 years old. However when detects irregular data for heart rate or respiratory rate, Carebaby will send out push notification to your smartphone or Android tablets, if you turn on your alert notification. You can ensure your baby's status in time.

Carebaby Mounting Bracket Installation Instructions

1. Screw the mounting bracket firmly into the bottom base of the camera and make sure the camera is secure, but do not over torque it.
2. Position the camera onto the baby crib's side frame and face the camera lens at the direction of the baby's head position at a distance of 1meter / 39 inches.
3. Bend and wrap the four legs of the mounting bracket tightly around the crib's side frame to secure the camera position.
4. Adjust CareBaby to face the baby's face when it needed.

Carebaby APP Overview

📊 Displays Vitals: Facial Temperature, Heart Rate, Respiratory Rate, Room Temperature and Room Humidity

📹 Live Video: view live video with two-way audio from the camera

📱 Push Notification Center: Receive alert notification on your phone when vitals are irregular

⚙ App setting: Setup Wi-Fi, Alert, User guide

Medical and Legal Disclaimer

Saturn Technology Group, LLC. and its affiliates shall not be liable for personal injury or property damage sustained by or through the use of any hardware, application software ("apps"), products, or services including, without limitation, its CareBaby™ brand products. The information provided in the manual and website, including any content therein, does not constitute medical advice and is not intended to be and should not be used in place of advice from a physician, pharmacist, or other licensed healthcare professional. Saturn Technology Group, LLC.'s CareBaby products are for reference purposes only and are not intended to be a substitute for professional medical devices. You should not use the device for self-diagnosis purposes or to treat a health problem or disease. Consult with your healthcare provider immediately if you suspect your baby has a medical problem, or if you notice any abnormal symptoms, such as fever, pain, severe discomfort, nausea, dizziness, or shortness of breath in your baby. In case of emergency, call 9-1-1 and ask for immediate assistance.

FCC   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 that is received, including any interfer ence that may cause undesired operation.

RF exposure warning :
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.

NOTE: 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

Changes or modifications to this unit not expressly approved by the party responsible for compliance
 could void the user's authority to operate the equipment.