USER MANUAL

Wireless P/T HD Camera

Model No. : BC200PRO

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, if 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.

• 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.

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 with RF signal, keep your cell phone at least 3ft away from the Camera and Monitor.

CAUTION

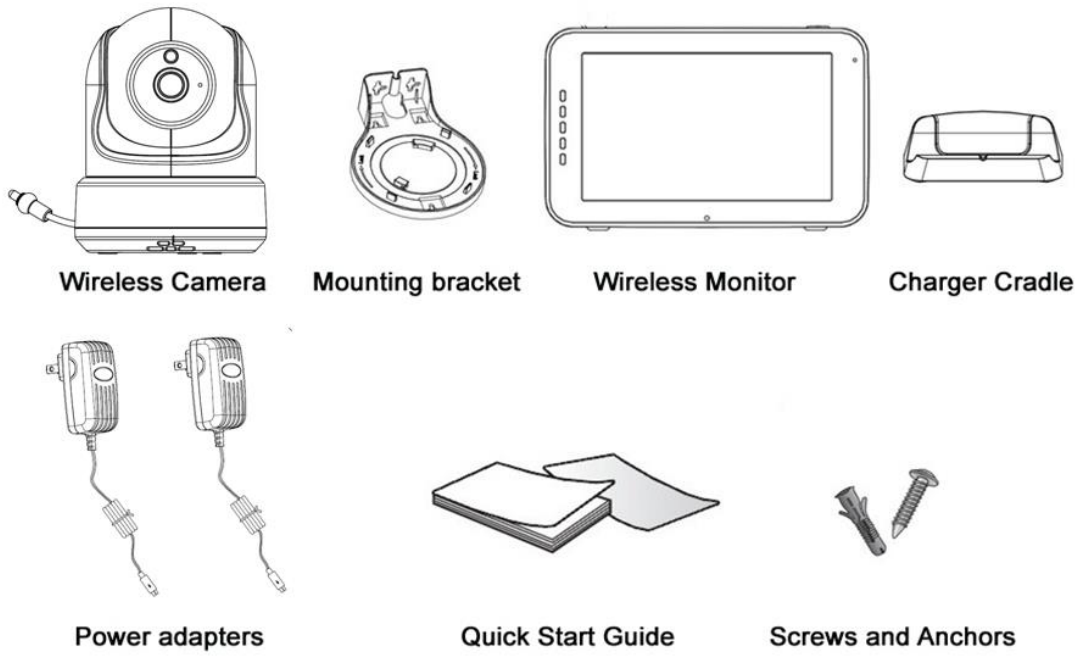
Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

Features:

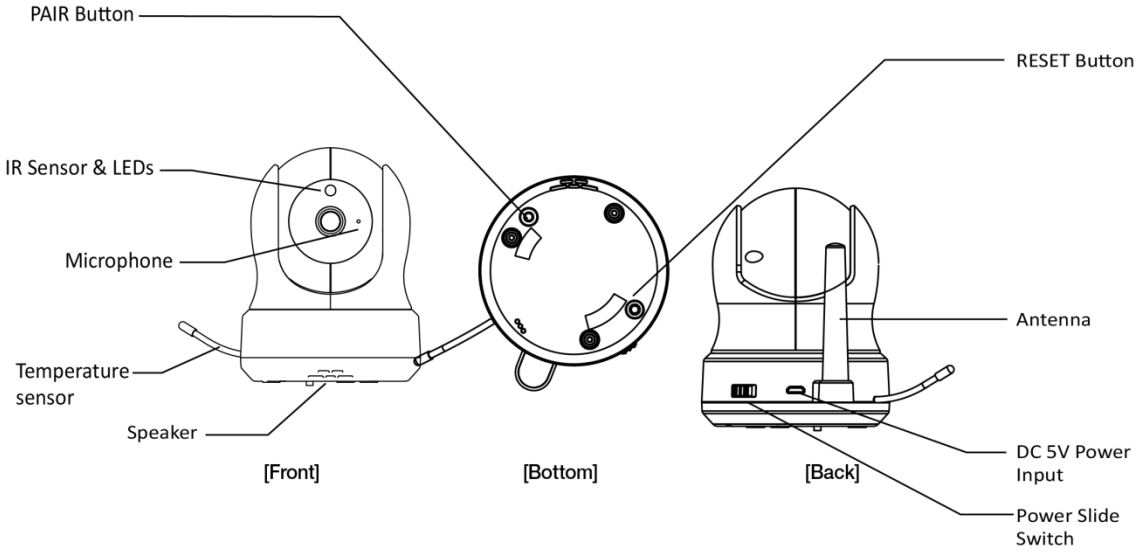
- 2.4 GHz FHSS + WiFi dual mode technology
- System expandable up to 4 cameras, single, split display or quad display
- Multiple (6) language selection
- Camera with night vision and sound trigger
- Lullaby and temperature display
- 2 way audio, monitor or cell phone can talk back to camera
- 5’’touch screen monitor
- Remote pan & tilt, digital zoom
- Free iOS & Android APP.

What's Included



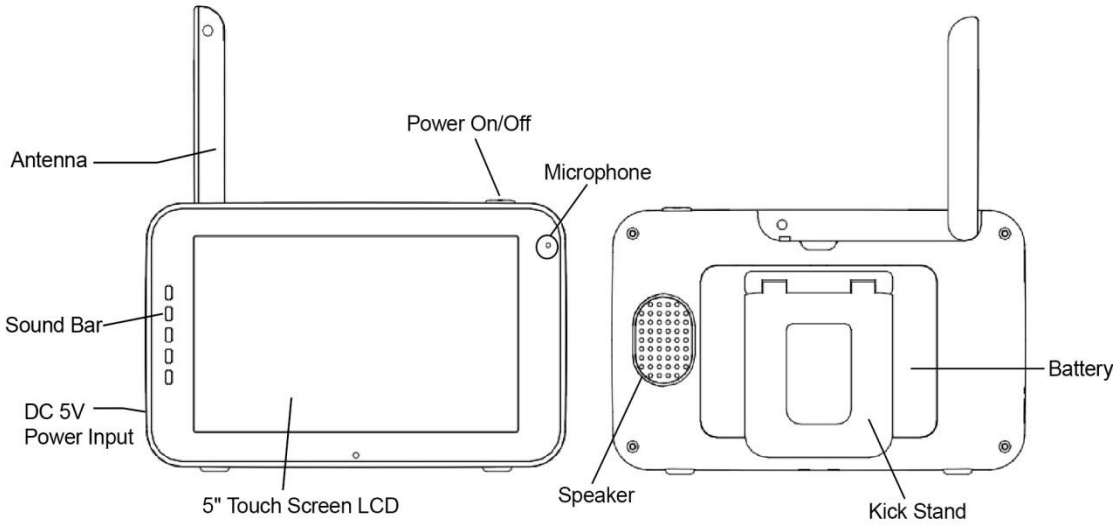
Product Overview

Wireless Camera



1. IR Sensor & LEDs: Infrared LEDs provide viewing in NO/LOW Light conditions.
2. Microphone: Detects & transmits the sounds from camera to monitor.
3. Temperature Sensor: The measured ambient temperature is displayed on the monitor.
4. Speaker: Enables the ability to talk from monitor/phone to camera and play lullabies.
5. Antenna: Sends & receives signals to or from the monitor.
6. DC 5V Power Input: Input for the power adapter, 5V 1A.
7. Power Slide Switch: Slide to turn on/off the camera.
8. Reset Button: Press this button to reset the camera or change camera mode.
9. Pair Button: Establishes a new connection between the camera and monitor during the pairing process.

Wireless Monitor

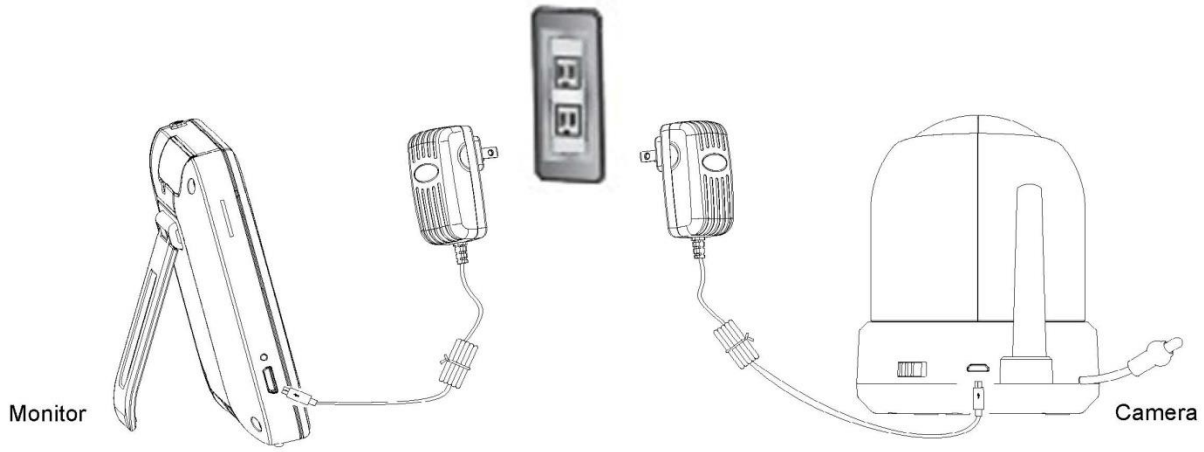


1. Antenna: Sends & receives signals to or from the Camera.
2. Sound Bar: Indicates the level of sound detected by the Camera.
3. DC 5V Power Input: Input for the Power Adapter 5V 1A.
4. Screen: 5” TFT LCD screen.

5. Microphone: Detects & transmits the sounds from Monitor to Camera.
6. Power On/Off: Press and hold to switch the monitor on/off.
7. Speaker: Produces the sound from the camera.
8. Kick Stand: Enables the table stand for the monitor.
9. Battery: Rechargeable lithium battery for portable use.

Getting Started

Installing the Monitor & Camera



1. Fully charge the monitor via power adapter or charging cradle before use. Camera must be plugged in at all time.
2. Place the camera in the preferred position. You can place it on the table/cabinet, or mount it on a wall via mounting frame.
3. Press the power button for about 4-5 second to turn on the monitor.
4. Slide the power switch to turn the camera on.

Pairing the Monitor & Camera

The units already come paired for your convenience.
If you have additional camera, pair your camera as follow:
1. Power on wireless monitor and wireless camera.
2. Touch the live view screen on the monitor to make the settings icon appear.

3. Press the [ ] button at the bottom left corner of the monitor.

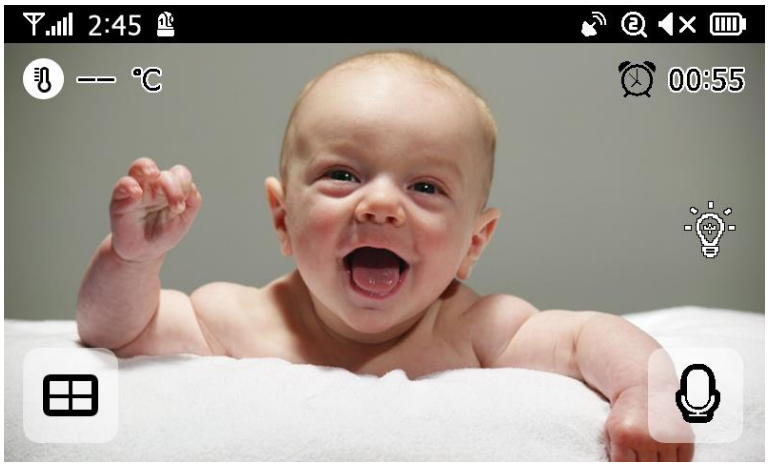
4. Press [ ] icon and select camera number.

(The monitor will search for the camera when set to pairing mode, Select the channel you want to pair the camera to, and touch to confirm, a countdown clock will appear at the middle of the screen and will start counting from 30 to 0).
5. Press the [PAIR] button found on the bottom of the camera.
6. If the monitor successfully pairs with the camera within the 30 seconds, it will automatically switch to

the camera's current view.

Indicator Description

Live View



1. Signal indicator: Shows the strength of the signal being received from the camera. If an 'x' shows up on the signal bar, then the system is "out of range".
2. Digital Clock: 2:45 Displays the time that is set on the monitor.
3. Camera number: Indicates which camera is being displayed on the current screen
4. Remote monitoring: Indicates remote monitoring status. When remote monitoring is turned on (in white), that means cell phone/App is remote visiting camera remotely, if not then the is in grey.
5. Zoom mode: Indicates Zoom mode. x1/x1.5/x2
6. Monitor Speaker Mute: Indicates the monitor's speaker is muted
7. Battery Power Level: Shows the battery status.

• **Battery Status**

A battery charge state indicator within the LCD will show the level of charge indicating five states, including alert (flashing red battery outline), 1/4, 1/2, 3/4 and full.
Low battery: Flashing Red
¼ Battery fill: Red
½ Battery fill: White, 1 bar
¾ Battery fill: White, 2 bars
Full Battery fill: White, 4 bars (the power supply is not connected)
Full Battery fill with charging: White and lightning bolt icon alternately (the power supply is connected)
When the power supply is connected the lightning bolt icon displayed over the centre.

8. Temperature Display: -- °C Shows the temperature of the camera (baby) room.
9. Feed time counter: 00:55 A countdown clock of the feed time.
10. Night Light On/Off: Indicates if the night light is on or off. You can control the night light on the camera remotely from monitor side.
11. Quad Mode : Press this button to switch to quad mode. When two cameras are paired, there will

be in split mode (two displays). If there are more than two cameras paired, there will be four displays. Up to 4 cameras can be paired. You can't listen to the audio from cameras in quad or split mode.

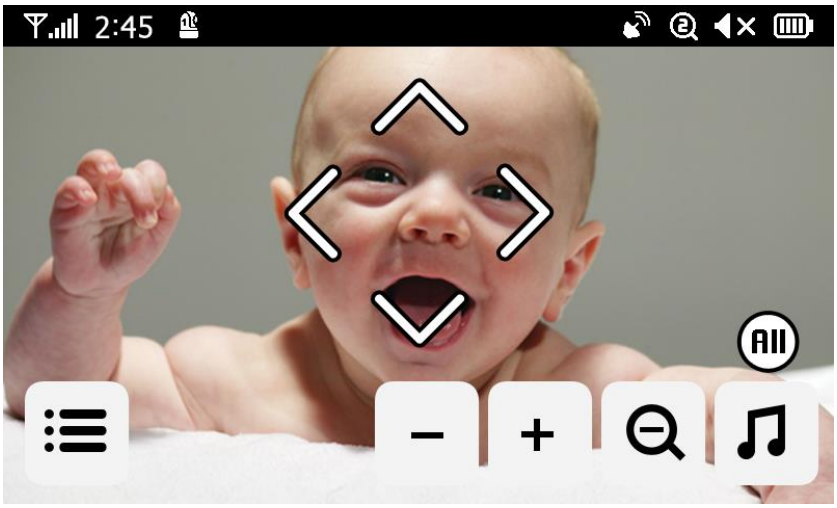
12. Talk Back: Press and hold this button if you want to talk to camera side, release to get monitor audio back.

Note:

a) "Talk Back" button only appear on single camera Live View mode
b) Press and hold Talk Back button, can activate talk back function
c) If camera unit was playing lullaby, then lullaby will be paused until talk back button is released
d) The camera speaker volume setting is same as lullaby play level. (select > >)

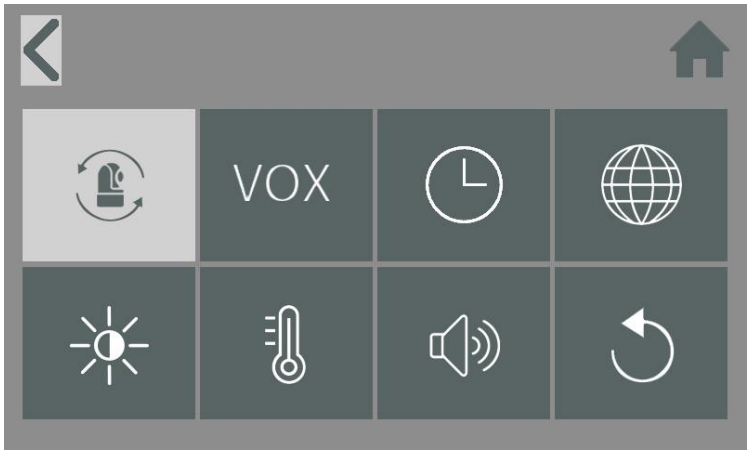
Operation Key

By tapping any position on the screen then "Operation" keys come out
If user tapes screen without touching any function key (or time is out after 10 seconds), then it will back to Live View mode.



1. Menu Setting: Menu setting includes monitor and camera settings
2. Monitor Volume: – + adjust the monitor volume
3. Zoom In / Out: supports x1, x1.5, x2 digital zoom ratio
4. Lullaby: Press the Lullaby icon to turn lullabies ON/OFF. Plays 4 pre-programmed songs. Press the number or "All" above the , it will display 1 2 3 4 all, you can chose the number you want to play or choose all to play all 4 lullabies, from 1 to 2 to 3 to 4 and to 1 again.）
5. Navigation Controls: Use this icon to remotely Pan/Tilt the camera

Menu Page



1. Pair / Unpair Camera： You can connect up to 4 cameras to your system.
2. VOX: VOX Set the VOX sensitivity to detect low or high sound levels.
3. Date & Time & Timer: Set up the system date & time & feed timer.
4. Language: Setting language for the monitor, six options: English, German, French, Italian, Netherlands and Spanish
5. Brightness: You can adjust the brightness of each individual camera.
6. Temperature: You can set Celsius or Fahrenheit, and set temperature alert high and low limit.
7. Camera & Alarm Volume: You can adjust the camera and alarm volume.
8. Default: Reset the monitor back to its factory settings.
9. Back: Save the settings and return to previous page.
10. Home: Return to Live View.

Mobile Application—Setting up camera to connect to your home router for remote access

To ensure better connection, better turn off the monitor in setting up process.

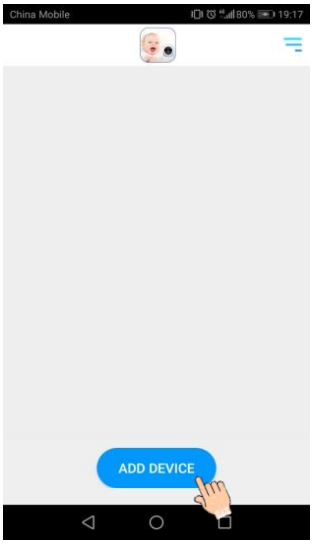
You can remotely monitor your baby via 5” monitor and SmartBabyCam App at the same time.
Go to the Google Play or Apple App Store to install the " SmartBabyCam " App onto your mobile phone.
There are two methods to register your camera to your home router. Smartlink and AP WiFi setting, if one of them failed, pls try to use another method.

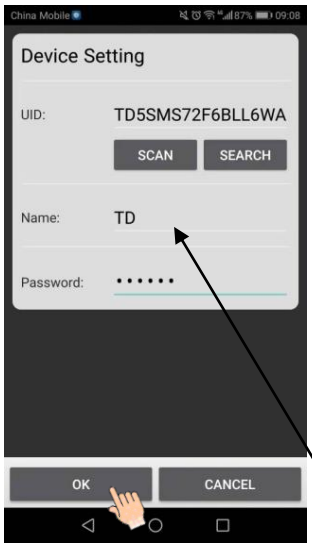
AP mode WiFi setup (Android)

1. Turn on camera, press and hold "reset" button until the camera flash 3 times, then short press the reset button again, the camera night light will change to fast flash.
2. After about 10 seconds, short push the reset button, the night light will change to slow flash.

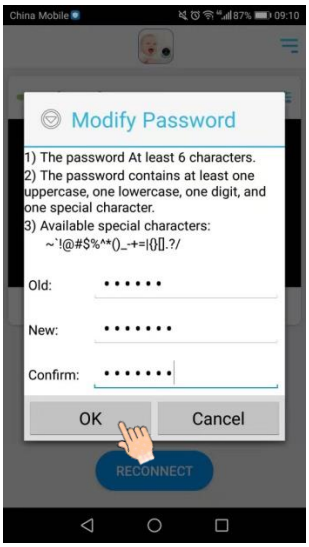
3. Go to your phone settings\Wireless & Networks\WLAN, find the SSID(WiFi name) with the name xxxxx111A and connect to the SSID (no need to input password)
4. Turn on SmartBabyCam App, Click “ADD DEVICE” to add camera, scan the QR code at the bottom of the camera, input default password: 000000 and confirm, you will see online and touch the UID, it will remind you to change unsafe password *(The new password should contain at least 6 characters, one uppercase letter, one lowercase letter, one digit and one special character (choose from: ~`@#$%^*()_-+=|{}[].?/).*

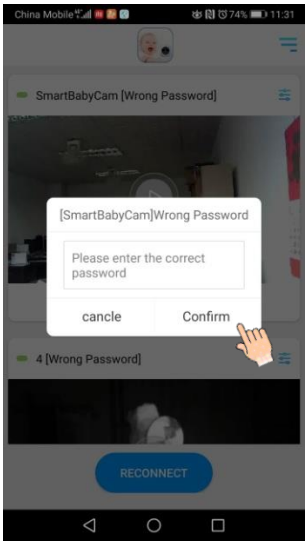
Note: if the password is wrong, there will be a pop up message to say "Wrong Password", pls enter the correct one in the blank and confirm





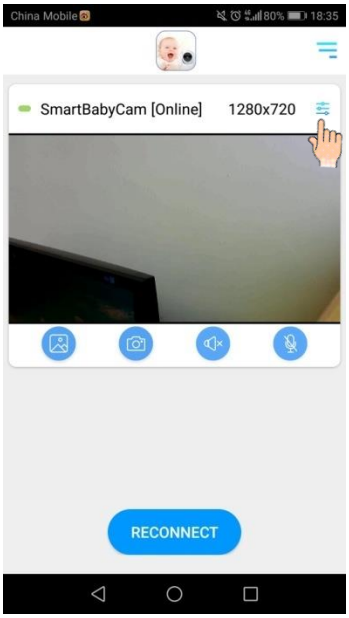
you can input any name

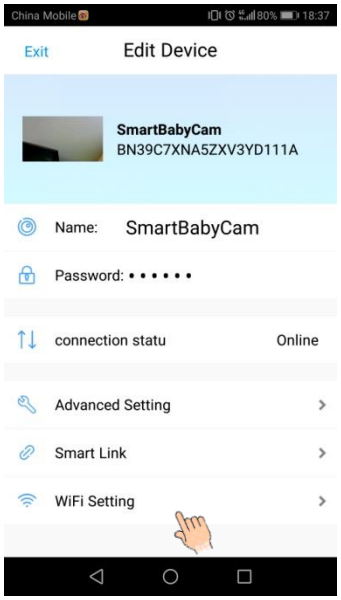




5. After changed password, press the icon Edit Device, find “WiFi Setting” area, select the SSID (WiFi name, again, you can only connect the camera to 2.4GHz wifi, can not connet to 5G WiFi) and input it’s password(better press the icon to display password so that you can see what you are typing) , pls press “OK” button, the night light will change to solid on, once you see the night flash 3 times and then off, means the setting up succeeded, pls turn off your app and turn on again, then you will see online under the UID and you can now remote access your camera from cell

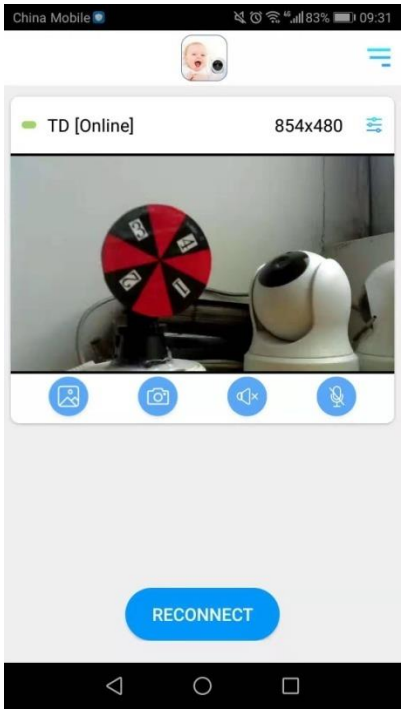
phone anywhere.

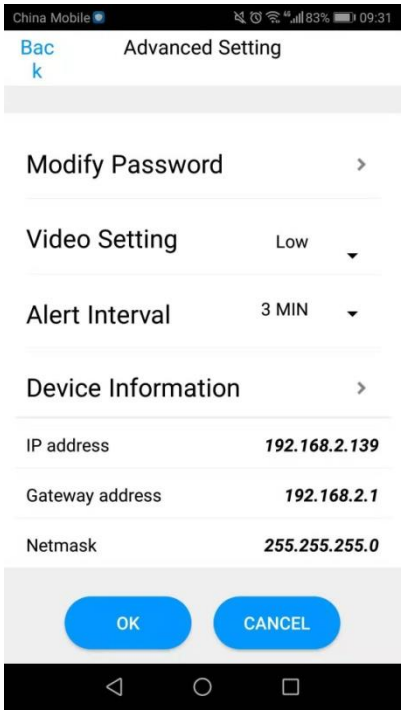




Notes: Turn on the 5” monitor, you will see a remote icon on the screen when smart phone remotely connected to the camera.

You can take snapshot, check the snapshot files, turn on/off the volume and talk back under live view. You can also change Video Quality and Alert Interval from Edit Device\ADVANCED

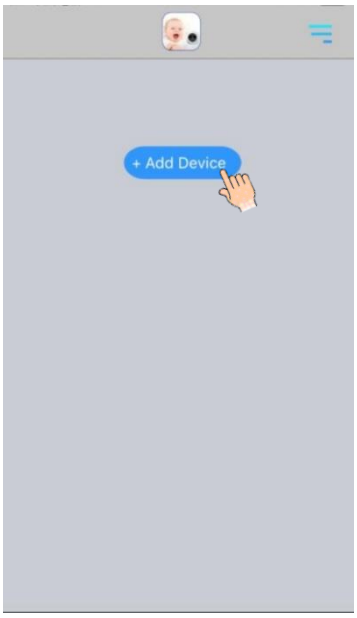


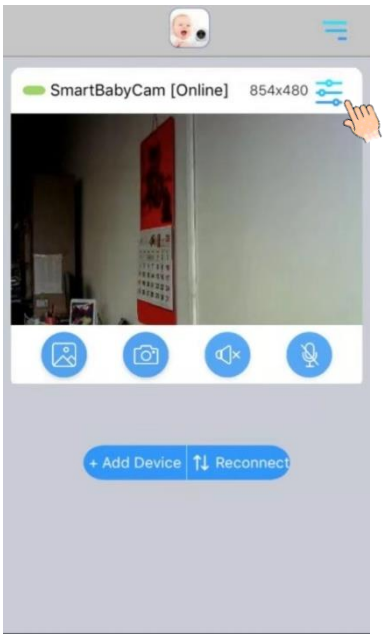


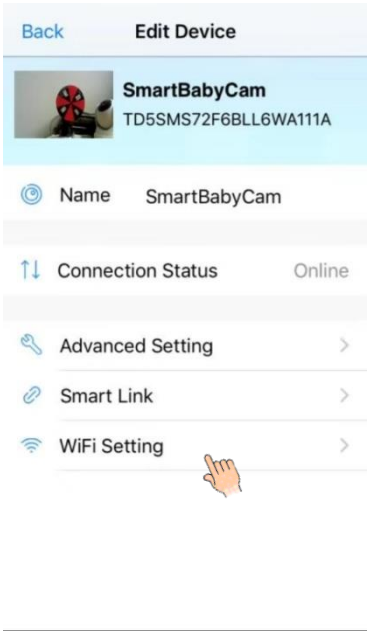
AP mode WiFi setup (iOS)

1. Turn on camera, press and hold "reset" button for 5 seconds, then the camera night light will change to fast flash

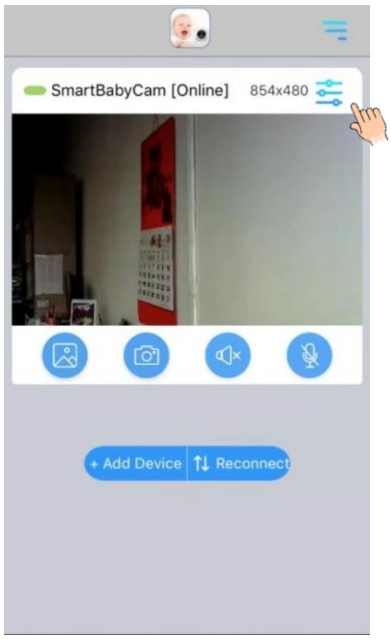
2. After about 10 seconds, short push the reset button, the night light will change to slow flash.
3. Go to your phone settings\Wireless & Networks\WLAN, find the SSID(WiFi name) with the name xxxxx111A and connect to the SSID
4. Turn on SmartBabyCam App, press “+” to add device, scan the QR code at the bottom of the camera, input default password: 000000 and confirm, you will see online and touch the UID, it will remind you to change unsafe password. *(The new password should contain at least 6 characters, one uppercase letter, one lowercase letter, one digit and one special character (choose from: ~`@#$%^*()_-+=|{}[].?/).*
5. After changed password, press the icon Edit Device, find “WiFi Setting” area, Input your WiFi name, you can only connect the camera to 2.4GHz wifi, can not connet to 5G WiFi) and input it’s password(better touch the icon to display password so that you can see what you are typing) , press send, the night light will change to solid on, once you see the night flash 3 times and then off, means the setting up succeeded, pls turn off your app and turn on again, then you can remote access your camera from cell phone anywhere.

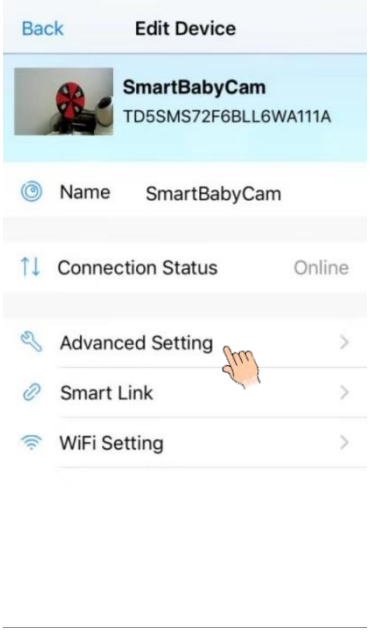






You can take snapshot, check the snapshot files, turn on/off the volume and talk back under live view. You can also change Video Quality and Alert Interval from Edit Device\ADVANCED SETTING.





Specification

Kit	
Operating Frequency Range	2.4GHz(Wi-Fi) 2.4GHz(FHSS)
TX Power	17dBm(FHSS), 15+/-1dBm(Wi-Fi)
RX Sensitivity	-88dBm(FHSS), -89dBm(Wi-Fi)
Type of Spread Spectrum Used	FHSS, Wi-Fi
Type of Modulation Used	GFSK, 502.11g/n
Data Rate	4Mbps(FHSS), WiFi(802.11b/g/n)
Communication Range	300M The transmission range of the wireless signal may weaken according to your environment.

Camera	
Image sensor type	1/4" Color CMOS Image sensor
Effective Pixel	1280 (H) x 1024 (V)
Power requirement	5V DC 1A
Image Resolution	High: MAX 1.7Mbps(10fps@1280*720) Low: MAX 0.7Mbps(10fps@854*480)
Lens	3.95mm F2.2
Viewing Angle (Diagonal)	55° (FOV)
IR LED / Night Vision Range	5m 940nm
Operation temperature	-10~40°C

Monitor	
LCD Panel size	5" touch panel
LCD Resolution	800x480
Operating Temperature	14°F~104°F(-10~40°C)
Operating Humidity	0% ~ 85%
Power requirement	5V DC 1A

Note：

This item is in compliance with FCC test standard: Part 15C 15.247.

FCC Warning

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 inte rference received, including interference that may cause undesired operation.

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

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 interferenceto 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.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.