

User Manual

VER:NHC01 V1.0

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1. Important tips

1.1 About Batteries

- 8pcs 1.5V AA alkaline batteries are required for the maximum battery life. used and new batteries cannot be mixed, do not mix battery types.
Noted: Do not use the charged battery. The low voltage affects the use time of the camera.
- When the camera doesn't use for a long time, please remove the battery to avoid leakage damage to the camera or battery power loss.

1.2 About SD card

- This camera must use a brand high-speed SD card above class10 or higher. please format the memory card before use if it is a new Card.
- Multiple or improper to use the memory card will reduce its performance Or damage recorded data, please replace the memory card if the memory card is destroy.

1.3 Use Bluetooth to Turn on WiFi to connect with camera

- Please turn off your cellular data before using.
- Bluetooth is only used to turn on WiFi.
- The WiFi works only to connect mobile APP, not use as a AP or LAN connection.
- For better operation, we recommend that your phone is within 10 meters (32 feet) from the camera, and due to possible interference around the surroundings, get closer to the camera if the signal is bad.

1.4 Native machine

- This hunting camera is equipped with an efficient infrared LED, lens, an PIR sensor.

- Clean the PIR lens if it is dirty during use.
- Cleaning steps: Try to blow it off or gently pick out the dirt. Don't try to wipe it, otherwise it may cause more scratches. PIR lens scratches reduce PIR detection performance.
- Please remove the protected film on the PIR sensor, it will affect the monitor distance.
- Avoid error triggering, the machine cannot be placed near heat sources (especially where windy).

2.Product presentation

2.1 About Camera

- The camera has brand new innovative and ultra-clear imaging technologies, including intelligent night vision, blur reduction, and noise reduction technologies that deliver high-resolution image quality.

2.2 Main features

- Bluetooth turn on the WIFI easily.
- Connect with camera with WiFi to Preview, playback and setting.
- High resolution photo and video.
- HD night vision, infrared supplementary light irradiation range is far.
- Wide-angle lens.
- Three working modes: Photo, Video, Photo + Video.
- Photo / Video information shows: date, time, temperature, and moon phase.
- Password protection.
- Support SD card.

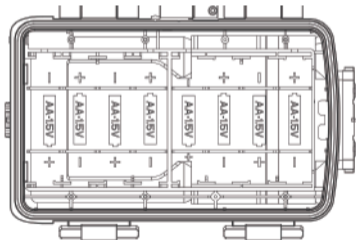
2.3 Application scene

- For hunting and tracking of animal traces or habits.
- Used to observe the flowering process of plants.
- As an temperature-trigger security camera for homes, farms, offices, and communities.
- Other indoor and outdoor monitoring where evidence of intrusion is required.

3.Install battery & Insert SD card

3.1 Install the batteries

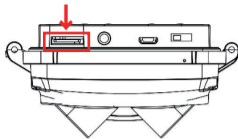
- Open the camera rear housing, you will find the battery box(as Figure 1), 8pcs batteries must be installed. Put batteries as positive and negative marks in the battery box.



3.2 Insert SD card

- Before operate camera, please insert SD card, and please don't insert or pull out the SD card when the camera is working.

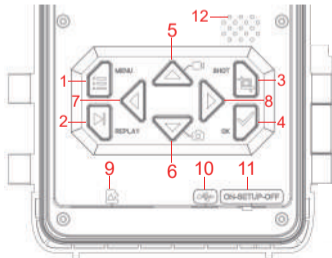
Noted:If the SD card is not installed properly, the SD card icon on the top right corner of Screen will show “X”.



4.Usage of Camera

- 4.1 OFF mode: the switch key locate “OFF” means Power OFF mode.
- 4.2 SETUP mode: the switch key locate “SETUP” means settings mode.
- 4.3 ON mode: the switch key locate “ON” means it will be monitored status after count down, the camera works with the previous setting.

5.Button feature introduction



- | | |
|------------------|-----------------|
| 1.MENU button | 7.Left button |
| 2. REPLAY button | 8.Right button |
| 3.SHOT button | 9.SD card slot |
| 4.OK button | 10.USB port |
| 5.Up button | 11.OFF/SETUP/ON |
| 6.Down button | 12.Trumpet |

6. System setting

6.1 Pull the switch to “SETUP” mode, the camera enter the setting mode, the LCD shows the image. the machine Light sensitizer detects the current environmental brightness ,and intelligently switch between the day lens or the night vision lens according to the current brightness .For example; the environmental light visibility is high, the machine uses the daytime lens and shooting color files .If the environmental light visibility is low, the machine turns on the night vision lens and shooting black and white files.

6.2 On “SETUP” mode, press “MENU” button to enter the setting interface, then set system parameters according to the menu display on the screen, press UP/Down/LEFT / RIGHT button to move and change settings, and press “OK” button to confirm the change, then press “MENU” button to exit menu.

Note: Press“OK”button to save the changes.Otherwise, you will lose the new settings.

6.3 Pull the switch to “ON” mode, the camera enter the monitoring mode, When the animal triggers the machine to work . the machine Light sensitizer detects the current environmental brightness ,and intelligently switch between the day lens or the night vision lens according to the current brightness .For example; the environmental light visibility is high, the machine uses the daytime lens and shooting color files .If the environmental light visibility is low, the machine turns on the night vision lens and shooting black and white files.

Name	Setting	Describe
Mode	Photo Video Photo + Video	Choose the camera working mode.
PIR Interval	5Seconds ↓ 59Minutes	After the camera triggers shooting, the camera does not take photo and record again within the setting interval time, it can prevent the SD card from being filled fully with duplicate files.
PIR Sensitivity	Low Medium High	The sensitivity of the PIR sensor is depended on the environmental temperature. The “HIGH” setting is better when the temperature is higher, and the “MEDIUM”/“LOW” setting is useful in cold weather. Note: This option is invalid if the mode is set to Time Lapse.
IR LED	Option: Auto, Economy, OFF	Auto: Shooting the night environment, the light brightness will be automatically adjusted reasonably according to the current battery power usage status; Economy: The video taken on the IR-led light is a little darker, but makes the battery last longer

IR LED		<p>OFF: the IR light won't be turned on when the environment light is dark or all dark</p> <p>Note: Auto is recommended</p>
Side PIR Setup	<p>OFF ON</p>	<p>The sensors on both sides will not be turned on.</p>
Time Lapse	<p>ON OFF</p>	<p>When choose "ON", the camera automatically takes photos / video recording according as the set interval. normally it is used to observe cold-blooded animals, such as snakes Or flowering processes.</p> <p>Note: When choose "ON", the main PIR are not working.</p>
Monitoring Period	<p>ON OFF</p>	<p>Select "ON" if you want the camera to work daily for the specified time, the default is "OFF", and the camera only works within the set time after choose "ON".</p> <p>Note: When choose "ON", the main PIR are not working.</p>

Image Size	<p>day</p> <p>60MP(10320*5808) 24MP(6528*3672)</p> <p>56MP(9984*5616) 20MP(6144*3456)</p> <p>52MP(9632*5408) 16MP(5376*3024)</p> <p>48MP(9248*5200) 13MP(4816*2704)</p> <p>44MP(8832*4960) 8MP(3840*2160)</p> <p>40MP(8416*4736) 5MP(3072*1728)</p> <p>36MP(8000*4496) 3MP(2304*1296)</p> <p>30MP(7392*4160) 2MP(1920*1088)</p> <p>at night</p> <p>8MP(3840*2160) 3MP(2400*1344)</p> <p>5MP(2960*1664) 2MP(1920*1088)</p>	The options for photo resolution: the resolution is high, the photo quantity is better, the file is bigger, and it use the SD capacity is more.
Picture NO	<p>1.Photo 5.Photo 8.Photo</p> <p>2.Photo 6.Photo 9.Photo</p> <p>3.Photo 7.Photo 10.Photo</p> <p>4.Photo</p>	The quantity of taking photo while trigger each time.
Shutter speed	<p>1/15</p> <p>1/20</p> <p>1/30</p>	Choose different shutter speeds, the photos are different brightness in night vision

Video resolution	<p>day</p> <p>4K/30 Fps (3840*2160) 2.7K/30Fps(2704*1520) 2K/30Fps(2560*1440) 1296 30Fps(2304*1296) 1080P/30Fps(1920*1080) 720P/30Fps(1280*720) 480/30Fps (848*480) 360/30Fps(640*368)</p> <p>at night</p> <p>1296 30Fps(2304*1296) 1080P/30Fps(1920*1080) 720P/30Fps(1280*720) 480/30Fps (848*480) 360/30Fps(640*368)</p>	The options for photo video resolution: the resolution is high, the photo quantity is better, the file is bigger, and it use the SD capacity is more.
Video length	5Seconds—180 Seconds	Note:The video length is best set within 10 seconds, do not set too long so as to save battery and avoid taking up too much SD card storage space.
Record Audio	ON OFF	The default is “ON”, the video recorded is silent when choosing “OFF”.
Date/Time	Date/time setting, year/ month/day format setting	1.Time setting: use “UP/DOWN/LEFT / RIGHT” button to switch parameters

		and set the current date & time. 2.Date Format: choose different date format.
Time Format	12H and 24H	Option for 12H or 24H
Date Stamp	OFF ON	The default is "ON", If choose OFF, then all watermarks in the pictures and video files are closed
Camera Name	Camera Name	Press"UP/DOWN/LEFT/RIGH"and choose the setting and pleae button to switch
Password	ON OFF	1.You can set a 4-digits as boot password to protect the camera, the password can choose any 4-digits like as digit "0~9" and letter "A~Z". 2.If forget the Password, please input "1111" to unlock
Bluetooth	OFF ON	1.In OFF status, the mobile phone can search and find the Bluetooth, but it can't open camera WiFi 2.In "ON" status, the Mobile phone can search and connect WiFi, (The default is ON)
WIFI SSID	Hunting 4K	The camera WIFI SSID name can be modified.
WIFI Password	1 2 3 4 5 6 7 8	The camera WIFI password can be modified.

WIFI Auto WIFI Off	1minutes 2minutes 3minutes	After turn on, the WIFI automatically exits if it doesn't connect camera successfully within the set time.
Beep sound	ON OFF	The default is "ON" If choose "OFF", The buttons have no sound during the operation.
Language	English, French, Español , Portuguese, Danish,Italian,Chines, Traditional Chinese Russian, Japanese	This hunting camera supports multiple languages.
Format	Cancel OK	All files will be deleted after format. Noted: please format the SD card if first used.
Default settings	Cancel OK	Choose "OK" to restore the default setting.

7.APP download & installation

7.1 Before use, please download and install the "Hunting 4K" APP in the Google Play or Apple store.

7.2 Please use Mobile phone to scan the follow QR code to download the "Hunting 4K" APP.

7.3 When the APP is downloaded and installed, the mobile terminal will prompt “Allow Hunting 4K to access photos and media on your device?” during the installation process. Please select Allow at this time. If not allowed, APP cannot read camera pictures and videos(as picture)



Android/IOS



8.Camera connect with Phone by WIFI

8.1 Steps for Android Mobile phone connect camera

- Please turn off your cellular data before using, as Figure 1, And turn on Bluetooth, as Figure 2.
- Click the app icon , as Figure 3“Hunting 4K”, the “TURN ON BLUETOOTH” interface pops up, as Figure 4.
- Click“TURN ON BLUETOOTH”, it will pop up the interface as Figure 5.
- Select the corresponding Bluetooth name of the camera “CAMERA-XXXXXXX”, and click “TURN ON WiFi” as Figure 6.
- After turning on WiFi via Bluetooth of the mobile phone, At the same time,the camera WiFi will be activated as Figure7.

- After the countdown, the mobile phone will switch to its WLAN interface automatically , select the “Hunting 4K” name, and follow the prompts to enter the password: 12345678 to connect to the camera WiFi as Figure 8.
- After the WiFi connection is successful, the camera displays as Figure 9.
- Click back to enter the APP and select “Keep WLAN connection” as Figure 10.
- Then enter real time monitor screen as Figure 11 to take photo and video ,playback and set parameters etc.

Figure 1

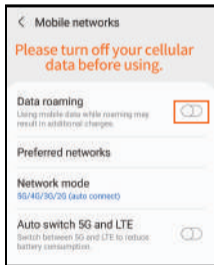


Figure 2

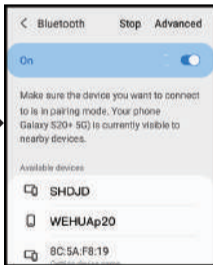


Figure 3

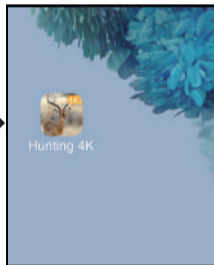


Figure 4

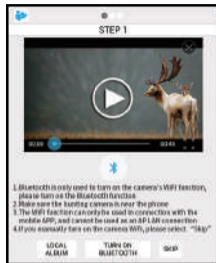


Figure 5

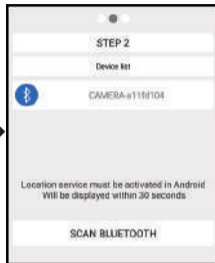


Figure 6

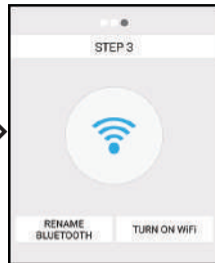


Figure 7

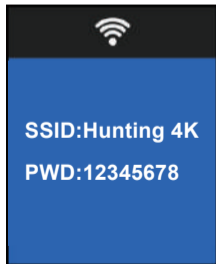


Figure 8

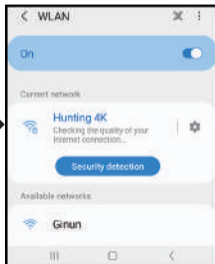


Figure 9



Figure 10

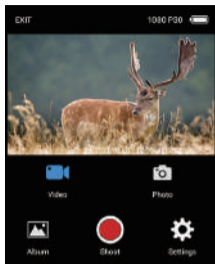
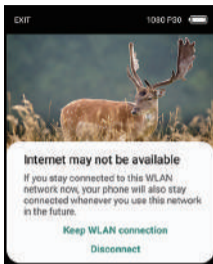


Figure 11



8.2 Steps for IOS system app connect camera

- Please confirm that the phone Bluetooth is on before operation, as Figure 1.
- Click the app icon , as Figure 2“Hunting 4K”, the“Turn on Camera Bluetooth” interface pops up, as Figure 3.
- Click “TURN ON BLUETOOTH”, it will pop up the interface as Figure 4.
- Select the corresponding Bluetooth name of the camera “CAMERA-XXXXXXX”, and click “TURN ON BLUETOOTH” as Figure 5.
- After turning on WiFi via Bluetooth of the mobile phone, it will enter the countdown as Figure 6. At the same time, the camera WiFi will be activated as Figure 7.
- After the countdown, the mobile phone will switch to its settings interface automatically, click the “Settings” button in the upper left corner, as Figure 9, enter the phone settings, and find the WLAN menu.

- Select “Hunting 4K” name and follow the prompts to enter the password 12345678 to connect to the camera WiFi, as Figure 10.
- After the WiFi connection is successful, the camera displays as Figure 11. Click “Hunting 4K”, Then enter real time monitor screen as Figure12 to take photo and video, playback and set parameters etc.

Figure 1

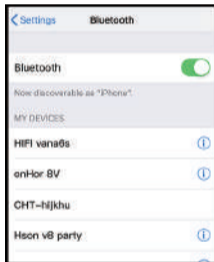


Figure 2

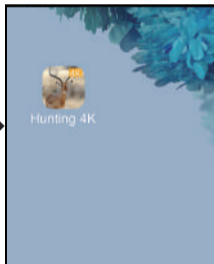


Figure 3



Figure 4

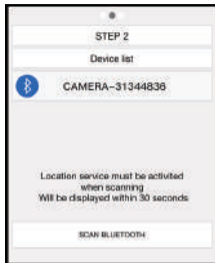


Figure 5

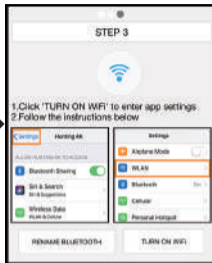


Figure 6

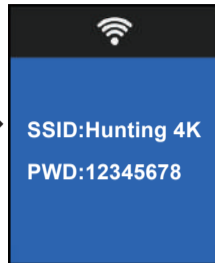


Figure 7

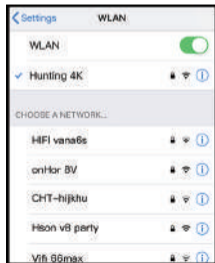
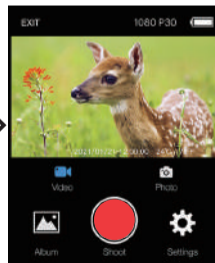


Figure 8



Figure 9



9. Installation and positioning

9.1 Calibrate the camera installing position

- To verify that the camera effectively monitors the selected area, pull the switch to “SETUP” and fix the camera.
- Within the monitoring area you want, try different distances and angles to move repeatedly around the camera, the led lights flash to prove within the monitoring range. The led light does not flash to prove outside the monitoring range.
- The results verified by the test will help you find the best place to install your camera.
- The height of the camera placed from the ground should be depending on the size of the animal. Generally, 3-6 feet are better.
- Make sure the camera is working without any interference, and that direct sunlight or near the branches should be avoided.

9.2 ON Mode

- Pull the camera switch to the “ON” state. After 5 seconds, the screen will turn off and enter the monitoring mode. Once an animal enters the sensor detection area, the camera will be activated and the camera will automatically shoot. If the animal leaves the sensor detection area, the camera will turn off and return to monitoring mode.

9.3 Dark Mode

- When the camera works at night, the infrared light will turn on automatically to illuminate about 3-20 meters, it can cause overexposure if the animal is too close to the camera.

10.Specification parameters

Product name	Hunting 4K
LCD SCREEN	2.4 inch
Camera	Days: 13Mega pixel Night: 2Mega Pixel
Lens	FOV=90
Photo resolution	Days: 60MP,56MP,52MP,48MP,44MP,40MP,36MP, 30MP,24MP,20MP,16MP,13MP,8MP,5MP,3MP,2MP Night: 8MP,5MP,3MP,2MP
video resolution	Days: 4K,2.7K,2K,1296,1080P,720P,480P,360 Night: 1296,1080P,720P,480P,360
Video Format	MP4
Picture format	JPEG
Menu language	English, Chinese, German, French, Italian, Spanish, Portuguese, Dutch, Japanese and Danish
SD card	SD Card support 32 GB
Wi-Fi/APP	2.4GHz 802.11 b/g/n/Hunting 4K
USB	MINI-USB 2.0
DC	External DC power supply 6V/1.5A (diameter:3.5mm*pincore:1.35mm)

Battery	8X1.5AA battery
MIC	Built-in Microphone
Speaker	Built-in speaker
Working temperature	-20°C to +60°C
Storage temperature	-30°C to +65°C
Camera weight	About 390g
Size	145x97x74MM

11.FAQ

FAQ	Problem analysis	Solutions
Camera can't take photo properly	1.PIR protected film isn't removed. 2.Whether the installation is in a valid range or not.	1.Please check if remove the PIR protected film or not. 2.Please check the installation position is better.
Do not turn on	The battery is inverted,or the battery has not power.	Please check and invert the battery or replace with the new battery.

No pictures inside the SD/TF card	<ol style="list-style-type: none"> 1. Bad SD/TF card. 2. Whether the card is locked or not format the SD/TF . 	Change and format the SD/TF card, and check if the card can take photo and record properly.
No photos or video at night	The battery voltage is too low	Replace with the new battery
The app could not connect	<ol style="list-style-type: none"> 1. The app is not compatible with Mobile phone. 2. The phone does not open Bluetooth. 3. The WiFi does not connection properly. 	<ol style="list-style-type: none"> 1. Check the app version or updated mobile system. 2. Please check if Bluetooth is turned on. 3. Please check if the WiFi is connected properly.

12. Disclaimer

12.1 The product specifications are developed on the latest information when prepared for this manual, it is subject to change without notice, whichever is the actual camera.

12.2 Do not use the recharged battery, the recharged battery voltage is lower, that affects the use time of the camera. When the camera won't be used for a long time, please remove the battery to avoid leakage damage to the camera or battery power loss, and the factory will not bear any responsibility because of those issue.

12.3 the factory shall not bear any responsibility because of improper use.

12.4 It is strictly prohibited to dismantle the camera without permission, and the factory shall not bear any responsibility because of it.

FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

RF Exposure Information

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.