

NEXTECH

QC8087



2.7K Ultra HD 4G Trail Camera

Instruction Manual

Please read and save all instructions to ensure safe and effective use of this product.



Dear customer, congratulations on purchasing a high quality product.

You have purchased a Wildlife Camera with excellent technical features and respective accessory that is particularly easy to operate. Please study all notices carefully and diligently. Please study this information in detail observing, in particular, the safety instructions.

1. Contents of box

Carefully unpack camera and check that all of the following components are contained in the box:

- | | | |
|-----------------------|------------------|--------------|
| 1. Wildlife Camera | 2. Mounting belt | 3. USB cable |
| 4. Instruction manual | 5. Antenna | |



Note:

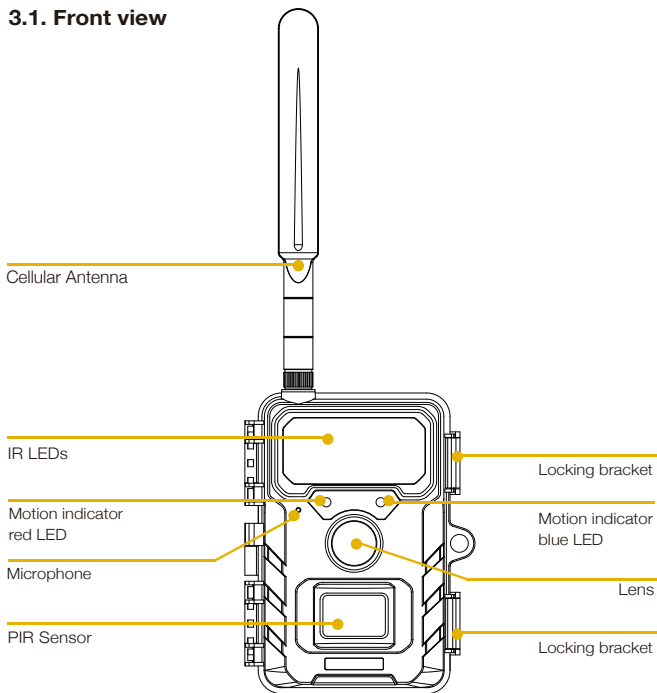
- Remove the protective foil from the camera lens by pulling the protruding tab.
- Caution! Keep plastic foil and bags away from babies and small children, as otherwise danger of suffocation.

2. Contents

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3. Your camera

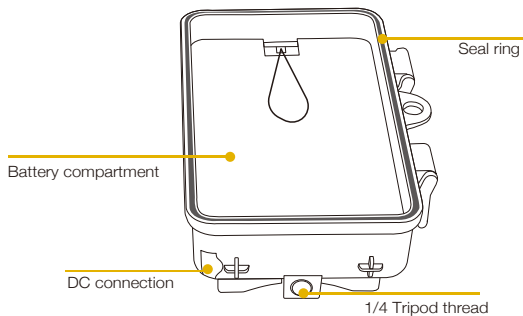
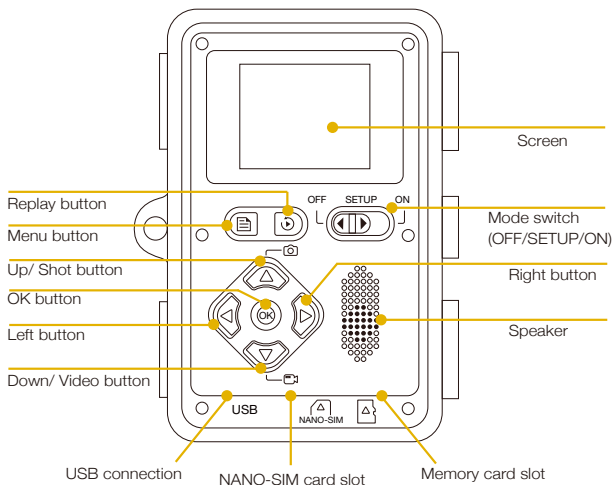
3.1. Front view



Note:

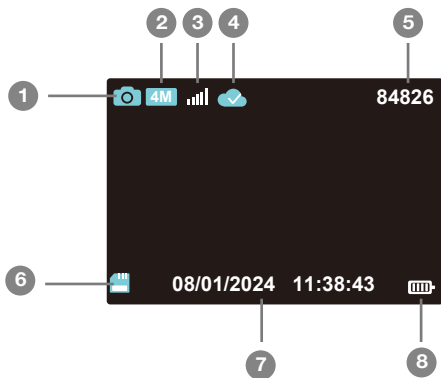
- We have several models of wildlife cameras in our product line, and the appearance and illustrations above may differ slightly from the actual product. The illustrations are for reference only, please refer to the actual product.

3.2. Inside views



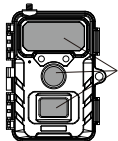
- The monitor is only switched on in the SETUP mode for changing menu settings or viewing existing photos.
- The TF memory card must have been inserted into the memory card slot in order to save photos.
- Using the mode switch the three operating modes OFF, SETUP and ON can be selected.

3.3. Viewscreen Indicators

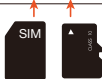
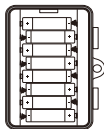


1. Current Mode
2. Current Image/Video Resolution
3. 4G Signal
4. Cloud Service signal
5. Image/Video Capacity left
6. TF Card Status
7. Date and Time
8. Battery life

4. Quick start guide



1. Remove the protective plastic covers from the camera lens, and PIR sensor.



2. Install the antenna, 8 AA batteries, a new TF card(class 10 or above are recommended) and a nano-SIM card to the camera.



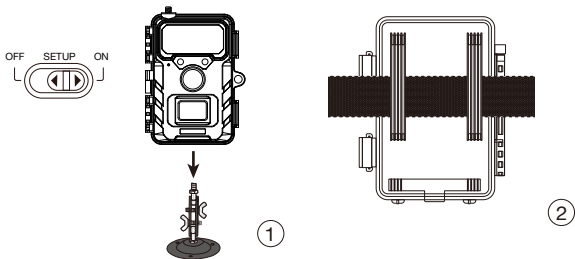
3. Turn on the camera by moving the switch to SETUP position. Wait for about 1 minute until the 4G network and cloud service are connected properly.



4. Download the APP(TrailCam Go) on your smartphone from the APP Store or Google Play, or just scan the QR code as in the battery cover, and then install the APP.



5. Open the APP, then create a new account and sign in, click "+" to add a new camera, select "4G Camera", bind the APP with the camera.



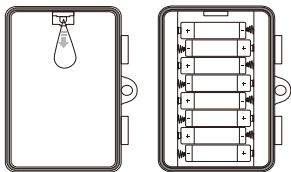
6. Move the switch to ON position and close the locking brackets, mount the camera using the provided tree strap or 1/4"-20 mounting socket.

Your 4G camera is now ready to use. You can now use the APP to view images/videos, change camera settings, monitor battery life and other functions of the camera.

5. PREPARING THE CAMERA

5.1. Inserting the batteries

Open the unlocking bracket and open the battery cover. Insert 8 new AA batteries, close the battery cover. If you are using an external power source, ensure that it is 6V. Other voltage levels could damage your camera.

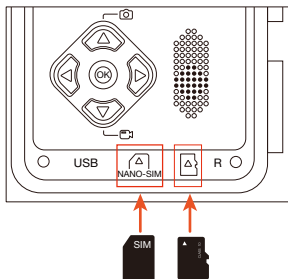


Note:

- Do not mix new and old batteries or alkaline and lithium batteries.

5.2 TF card and nano-SIM Card Installation

The TF card slot and nano-SIM card slot are located on the bottom of your camera. Insert the TF card and nano-SIM card as shown in below diagram.



Note:

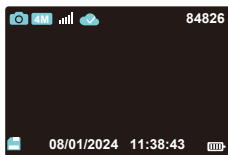
- A class 10 or above TF card is recommended, use of a different card may result in unexpected results.

5.3 Antenna Installation












Screw on device antenna until it is hand-tight. The antenna must be screwed tight to ensure the camera is sealed from water. Be careful that the antenna is not overtightened.

5.4 Power On and Check Status

Press the switch button to SETUP, the camera will turn on and automatically begin SYNC. After about 1 minute, the screen below will appear. This means the 4G signal and cloud service are connected. You can now bind the camera in the app.



Below icons means different conditions for the TF card, 4G signal and the cloud service.

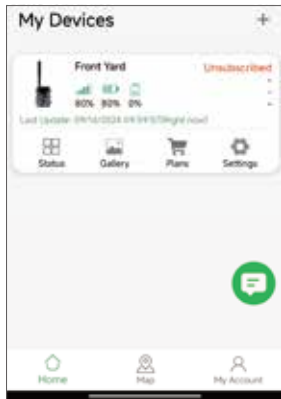
 	TF memory card loading status icon	
		SIM card reading is normal/package is normal and 4G signal is good.
		The SIM card was identified but the 4G network connection failed.
		The current environment 4G signal is not good/SIM card package expires.
		No Nano SIM card installed/No SIM card recognized.
		The cloud service has been connected.
		The cloud service is not connected.
		Failed to connect to the cloud service.

5.5. Mobile apps

1. Download the APP(TrailCam Go) on your smartphone from the APP Store or Google Play, or just scan the QR code as in the battery cover, and then install the APP.
2. Open the APP, click “+” to add a new camera, select 4G Camera, if you don't have an account, create a new account firstly.



3. After the account is created, sign in in the APP and click “+” to add a new camera, select 4G Camera. Follow the prompt steps one by one until below interface appears. That means the APP is binding with the camera successfully.



4. Click “Status” icon to enter Status, you can check the camera’s battery and memory capacity, firmware version etc.

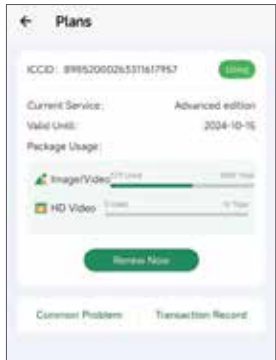


5. Click "Gallery" icon to enter the Gallery. You can view the photos/videos uploaded to the cloud storage. Click "Edit" in the upper right corner to download photos/videos or delete them. (Download HD photos/videos, 4G plans are extra.)



6. Click “Plans” icon to enter 4G plans, new users can open the corresponding 4G plan according to their personal needs; After the user subscribes to the 4G plan, the subscription plan information will be displayed in the upper right corner of the APP.

Customers who have opened a plan can renew their subscription, and can also view the current subscription plan information, transaction history.




7. Click “Settings” icon to enter the Settings, the users can revise the camera settings, format the memory card, delete the added device.



Note:

- Updated settings will sync the next time the camera is triggered. If the PIR is not triggered all day, the revised settings will be synchronized in the early morning.



8. If you encounter problems in connecting to the 4G network or using it, you can click the  icon and submit the problem, our technical person will quickly help you solve the problem.
9. Click the “Map” icon, you can use the map to pinpoint and annotate the current location of the camera. This allows you to quickly locate the installation position of the camera.



10. When the camera is set to ON mode, PIR triggers shooting and saves HD pictures and videos to TF card and uploads universal photos/videos to the cloud service.

6. Using the camera

Prior to setting up the camera for surveillance, it must be set up for the respective purpose. For this purpose, there is a setup mode available. In addition to changing settings, photos and videos can be taken and existing photos can be viewed in this mode.

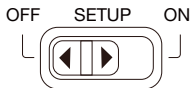
6.1. Mode switch

Open the camera as described in section 6.1. The Mode switch is located at the bottom edge on the left inside. 3 operating modes can be selected:

OFF :The camera is completely switched off in the OFF mode.

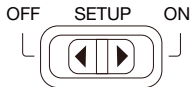
SETUP: Select SETUP mode to adjust settings and make or playback photos and videos.

ON: The camera is activated to take photos automatically (Live mode).



6.2. Settings

Prior to using the Wildlife Camera, change the settings as required. Slide the mode switch of the Camera to the SETUP position to start the setup mode. In the Photo or Video mode press the MENU button to call up the menu. All menu options of the Camera and possible setting values for the recording mode are listed below. The standard setting is always highlighted in bold.



- **Cellular: ON/Off**

On indicates that the network is connected, and Off indicates that the network is offline.



Note:

- When OFF is selected, the camera will not upload photo/video files, please be careful to set this item!

- **Cellular Info:** View 4G module information and SIM card number information.
 - **Bind APP:** Scan the QR code of the mobile APP connection. After the scan is successful, the camera will sound a prompt tone to prompt the user to bind the APP.
 - **Mode:** This option includes Motion detection, Timelapse normal, Timeplase video.
- **Motion Detection:** Defaulted 30seconds, optional from 5seconds ~60minutes.
- The PIR Interval option lets you set the time between captured images when an animal remains within the camera's sensor range after it is first detected and the camera is triggered. The camera does not record any images or videos during the selected interval. This prevents the memory card from being filled with unnecessary shots.



Note:

- The interval time is short, the camera shooting frequency would be high, and there would be high consumption of batteries. It would affect the usage days of the batteries. It is just on the opposite, the interval time is long, would be a lower consumption of batteries to guarantee a longtime usage.
- **Timelapse normal:** Users can set the shooting interval according to their needs (the system default is 30 seconds), and the camera will initiate shooting at the specified interval.



Note:

- Enabling timed shooting will disable the PIR automatic sensing function; please use this feature with caution!"

- **Work Time: Off/On**

Set timer to "On" if camera should only be active within a certain time. Once "On" has been confirmed with the OK button, the start and end time can be set.

If the start time is, for instance set to 18:35 hrs and the end time to 8:25 hrs, the camera will be operational from 6:35 pm of the current day until 8:25 am of the following day. The camera will not be triggered and will not take any photos or videos outside of this period.

- **Photo or Video: Photo/ Video**

Select whether photos or videos should be taken when motion is detected.

- **Photo resolution: 32M/24M/20M/16M/8M/4M/2M.**

Select the desired resolution for photos.

A higher resolution produces a somewhat better photo quality but results in larger files requiring more space on the memory card.

32M, 24M, 16M resolutions are generated by interpolation which can also affect quality.



Note:

- Photo resolution uploaded to the Cloud Server is 1280x720 no matter which resolution you choose.
- A higher resolution produces a somewhat better photo quality but results in larger files requiring more space on the memory card.

- **Video resolution: 2.7K/1080P/720P**

Select the required video resolution. A higher resolution produces higher quality videos but results in larger files requiring more space on the memory card.



Note:

- Video resolution uploaded to the Cloud Server is 640x360, 15fps no matter which resolution you choose.

- **Photo Burst:** You can set continuous shooting of 1 to 3 photos; the system default is 1 photo. For example, when set to 3 photos, the camera will capture three consecutive photos. (Effective in ON mode)
- **Video Length:** 5 seconds to 10 minutes, default setting is 10 seconds. If Cellular is ON, the maximum video length is 20seconds.





Note:

- To extend battery life, please set shorter recording duration.
- When the battery level is low, the actual video recording duration may be less than the set value, so it's recommended to replace the battery promptly in such cases.
- **Audio Recording:** Off/On. Defaulted "ON".
- **Detection Delay:** In detection delay mode, you can set the PIR trigger shooting interval. During this interval, the product will not be operational. Users can adjust it as needed, from 5 seconds to 1 hour, with the system default being 30 seconds.
- **PIR Sensitivity:** High/ **Medium**/ Low
- **Motion test**
Test the PIR sensor detection range, if showing more than 0, that means PIR sensor detects the object.
- **Fill Light Distance:** Near/ Middle/ **Far**
- **Camera Name: Off/On**
You can use a combination of 10 digits and 26 letters to document the location on the photos and videos. When using several cameras this makes it easier to identify the location when viewing photos and videos.

- **Date & Time:** Set date and time.
- **Date Format:** D/M/Y, M/D/Y, **Y/M/D**
- **Time Format:** 12H/ **24H**
- **Loop Record: On/ Off**
This option allows you to select 'on' or 'off' loop recording functionality; the system default is 'off.' When the TF card is full, the camera will stop working. However, when you enable 'loop recording,' the camera will overwrite the oldest recording files with the newest ones once the TF card is full.
- **Beep Sound: On/ Off**
- **Memory Card Format: No/ Yes**
Formatting the TF card will delete all files on the card. Please proceed with caution. When using a newly purchased TF card or using one for the first time in this camera, it is recommended to perform the formatting operation.
- **Language:** Select the desired menu language. The following languages are available: English, German, French, Spanish, Chinese, etc.
- **Password Protection: Off/ On**
After selecting "On" enter a four digit password to protect your camera. This password must be entered each time the camera is switched on in the SETUP mode before the camera can be used.



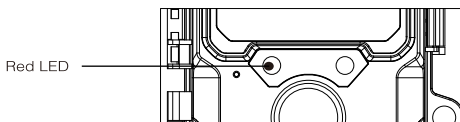
Note:

- If you forgot your password, please press  and  together to unlock the password.
- **Factory Reset: No/ Yes**
You can use this option to reset the machine to its default settings. If the product settings become disorganized or if it is not functioning correctly, please use this option.
- **Version Info:** You can check the software version.

6.3. Aligning the camera

The Test mode is advantageous for determining the best possible detection angle and range of the movement sensor. For this purpose attach the camera at approx. 1-2 m height to a tree and align the camera with a desired direction. Move slowly from one side of the observed area to the other. Move parallel to the camera. Try out different angles and distances.

- The red LED on the front of the camera indicates that you were detected by a central sensor zone.

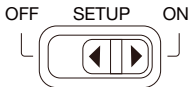


In this way you can determine the best position for aligning the camera. The LED only lights up in the SETUP mode as soon as one of the sensors has detected movement. The LEDs do not light up when in Live mode. In order to prevent incorrect signals and unnecessary photos, we recommend not using the camera at sunny points and check that no branches are in the active area of the sensor. Optimum alignment is in North or South direction. The detection range of the sensors is approx 60°. Also check that the camera is set to the correct height in line with the point to be observed. Where necessary, point the camera down for optimum alignment.

6.4. Setting up the Live mode

The standard application of the Wildlife Camera is the Live mode. When in this mode, photos are either triggered by movement sensors or at intervals according to the respective setting.

To set up the Live mode, switch mode switch to ON position.



The red status LED flashes for approx. 5 seconds after which the camera operates automatically and enters the Standby mode.

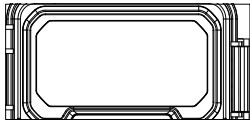
As soon as wild animals or other objects directly enter the detection area of the central sensor zone, the camera starts to record photos and videos.

6.5. Night recording

During night recording the infrared LEDs (IR LEDs) at the front of the Wildlife Camera provide the light required for taking photos. Wildlife Camera uses IR LEDs with a long wavelength, to keep red light to a minimum.

The provided number of IR LEDs generates a high deflection angle thus allowing night recording at a distance of 3 m to 20 m, without overexposing the object. Reflecting objects can, however, also cause overexposure within this range (e.g. road signs).

Please note that night recording using IR LEDs produces black and white images.



6.6. File format

The Wildlife Camera stores photos and videos on the memory card in the folder "\DCIM\100MEDIA".

Photos are given a file name with extension "JPG" (Example: "DSCF0001.JPG"), videos, are given the extension ".MP4" (Example: "DSCF0001.MP4").

When in SETUP and OFF mode use the enclosed USB cable to transfer files onto the computer. Alternatively you can insert the memory card in a card reader on the computer.

The video file can be played with most standard programs, such as Windows Media Player, QuickTime etc.

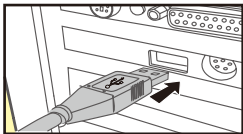
7. Connecting to computer

The Wildlife Camera can be connected to a computer using the supplied USB cables to view existing photos/videos.

System requirements

Windows	Macintosh
■ Pentium III or higher	■ PowerPC G3/G4/G5
■ Windows XP/Vista/7/8	■ OS 10.3.9 or newer system
■ 512 MB RAM	■ 512 MB RAM
■ 1GB available hard disk space	■ 1GB available hard disk space
■ Screen resolution 1.024 x 768 or higher	■ Screen resolution 1.024 x 768 or higher
■ Available USB connection	■ Available USB connection

1. Connect the camera to your computer using the USB cable.
2. The camera switches on automatically in the USB mode, irrespective of the selection on the mode switch.
3. The camera installs itself on the computer as an additional drive under the name "Removable storage device".
4. Double click on the device to detect the folder "DCIM".
5. The photos and videos are located in the sub folders of the "DCIM" folder.
6. You can copy or move photo and video files on the computer. Alternatively you can insert the memory card in a card reader on the computer.



Note:

- Mac computers show an "Unknown" drive on the desktop. When clicking on this drive, the program "iPhoto" is automatically started.

8. Technical specification

Lens	f=4.0mm F/NO=1.6 FOV=89°
Picture Resolution	32M: 7680 x 4320; 24M: 6656 x 3744; 20M: 6144 x 3456; 16M: 5120 x 2880; 8M: 3840 x 2160; 4M: 2560 x 1440; 2M: 1920 x 1080
Video resolution	2.7K: 2560 x 1440@30fps;1080P: 1920 x 1080@30fps; 720P: 1280 x 720@30fps
Photo / Video Format	JPEG/MPEG-4(H.264)
Display Screen	2.0" color TFT LCD
Trigger distance	65ft/20meters
Trigger time	approx. 0.4 second
Detection angle sensor	Central sensor zone: 60°
IR flash range	65ft/20meters
Functions	Multishot 1 to 3 images, interval 5 sec. to 60 min., video length 5 sec. to 10 min, interval recording, timer, password protection, image info stamp, low battery alarm
Power	8x batteries type LR6 (AA); external 6V power supply, at least 2A (not supplied)
Standby time	approx. 6 months (with 8 batteries)
Memory	SD / SDHC memory card up to 128 GB
Connectors	USB type-c

IP class	IP66 Waterproof
Operating Temperature	-20 - 60°C
Storage temperature	-30 - 70°C
Operating Humidity	5% - 90%
Dimensions	approx. 141×103.2×68.4 mm
Weight	approx. 278 g(without the Antenna)



Note:

- Design and technical specification are subject to change.

9. Trouble shooting

Camera won't power up?

- Make sure that you have installed all four batteries in the battery compartment, filling all four battery spaces with no “gaps”. We recommend using Energizer Lithium AA batteries in our camera.
- Make sure that the batteries are installed correctly, observing proper polarity. Always place the negative (flat) end of each battery in contact with the spring side of its slot inside the camera.
- Press the “R” reset button at the bottom of the camera to restart the camera.

Camera stops taking images or won't take images?

- Please make sure that the SD card is not full. If the card is full, the camera will stop taking images.
- Check the batteries to make sure that they are new alkaline or lithium AA batteries. See previous notes about short battery life.

- Make sure that you are using a good quality SD card in your camera. We recommend SanDisk SD Cards up to 32GB. If the SD card has its write protect switch in the lock position, the camera will not take images.
- If you have used an SD card in another device before inserting it in our camera, you might want to try formatting the card by using our camera. In some cases, other devices may change the formatting of the SD card so that it will not work properly with our camera.
- Press the “R” reset button at the bottom of the camera to restart the camera system in the condition of SD card and battery are installed correctly.

Camera takes continuous images of no subject?

A camera has what is known as a “false trigger” if the PIR sensor thinks that there is motion and heat in front of the camera lens when there is no subject in the image. These “False Triggers” are the result of placing the camera in an environment where there is motion associated with tree branches creating motion in front of the camera or an area where there is high heat in the foreground and any motion from wind could set off the camera. Setting a camera up over water is also a potential cause for this issue. To remedy this situation:

- Try moving the camera to an area that does not have any of these issues or try changing the sensor level on the menu settings.
- If the camera continues to take images when there is no subject in them, try placing the camera in an inside environment and aiming at a location where there is no motion.
- If the camera continues to show issues, then there is probably an electronic component issue. If this is the case, please contact our customer service to send the camera back for repair.

Battery life is shorter than expected?

- The setting you select for “PIR interval” and “Video Length” in the Setup Menu will have a significant impact on battery life. Shorter interval time and long video length setting are all lead to short battery life. We suggest to go with the defaulted setting of Interval time 30SEC or above, and the video length within 10sec.

- Battery life will vary with operating temperature and the number of images taken over time. Typically, the Camera will be able to capture several hundred images before the batteries die.
- Check to make sure you have used new alkaline or lithium batteries. We recommend using Lithium AA batteries (full set of 8) in your camera to obtain maximum battery life.
- Make sure that you are using a good quality name brand SD card in your camera. We recommend SanDisk brand SD Cards up to 32GB. Our experience indicates that poor quality SD cards can sometimes reduce your camera battery life.

Still photo and/or video quality problems?

1. Night photos or videos appear too dark.
 - Check the battery indicator icon to see if battery power is full. The flash will stop operating near the end of the battery life.
 - You will get the best results when the subject is within the ideal flash range, no farther than 15meters from the camera. Subjects may appear too dark at greater distances.
2. Daytime photos or videos appear too dark.
 - Make sure that the camera is not aimed directly at the sun or other light sources during the day, as this may cause the camera's auto exposure to produce darker results.
3. Night photos or videos appear too bright.
 - If the subject is close to the camera (less than 10ft/3m), change the LED Control parameter in the Setup Menu to "NEAR".
4. Daytime photos or videos appear too bright.
 - Ake sure that the camera is not aimed near an extremely dark area during the day. The auto exposure may "overcompensate" by lightening the image too much.

5. Short video clips—not recording to the length set.
 - Check to make sure that the SD card is not full.
 - Make sure that the camera has good batteries in it. Near the end of the battery life, the camera may choose to record shorter video clips to conserve power.



Photos do not capture subject?

- Check the “PIR SENSITIVITY” parameter setting (SETUP menu). For warm temperature conditions, set this to “HIGH” and for cold weather use, set the PIR sensitivity to “LOW”. For variable weather, use “MEDIUM”.
- Try to set your camera up in an area where there is not a heat source in the camera’s line of sight.
- In some cases, setting the camera near water will make the camera take images with no subject in them. Try aiming the camera over ground.
- Try to avoid setting the camera up on small trees that are prone to being moved by strong winds.
- Remove any limbs which are right in front of the camera lens.

PIR sensor led flashes/doesn’t flash?

- When the camera is in the “Setup” mode, a special LED on the front of the camera will flash when it senses motion. This is for setup purposes only and will help the user aim the camera.
- During use, the LED will not visibly flash when the camera takes an image. The LED array uses infrared light to help keep the camera hidden from game.

Forget the password?

- If you forget your passwords, you can clear the startup password by holding down the  +  keys while powering on.

Display screen comes on but then powers off?

- The display automatically turns off if no control keys are pressed for 30 seconds, to conserve battery power.

WARRANTY INFORMATION

Our product is guaranteed to be free from manufacturing defects for a period of 12 Months.

If your product becomes defective during this period, Electus Distribution will repair, replace, or refund where a product is faulty; or not fit for intended purpose.

This warranty will not cover modified product; misuse or abuse of the product contrary to user instructions or packaging label; change of mind and normal wear and tear.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure.

To claim warranty, please contact the place of purchase. You will need to show receipt or other proof of purchase. Additional information may be required to process your claim.

Any expenses relating to the return of your product to the store will normally have to be paid by you.

The benefits to the customer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods or services to which this warranty relates.

This warranty is provided by:

Electus Distribution

Address 46 Eastern Creek Drive, Eastern Creek NSW 2766

Ph. 1300 738 555