

# NEXTECH

QC8063



## 4K Outdoor Trail Camera

# Instruction Manual

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## BEFORE FIRST USE

Prior to using your product, please read all the safety and operating instructions thoroughly. Please ensure you follow the steps below before using the product. We recommend you keep the original packaging for storing the product when not in use. Please pay close attention to the section entitled Important Safety and General Instructions. Find a safe and convenient place to keep this instruction manual for future reference.

**WARNING: The manufacturer is not responsible for any potential injury from misuse**

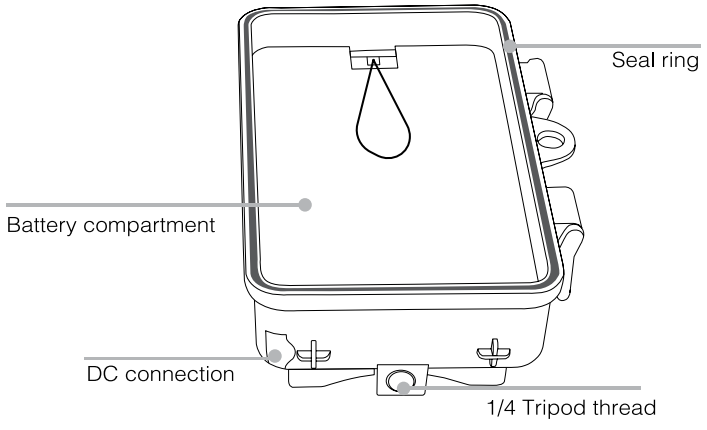
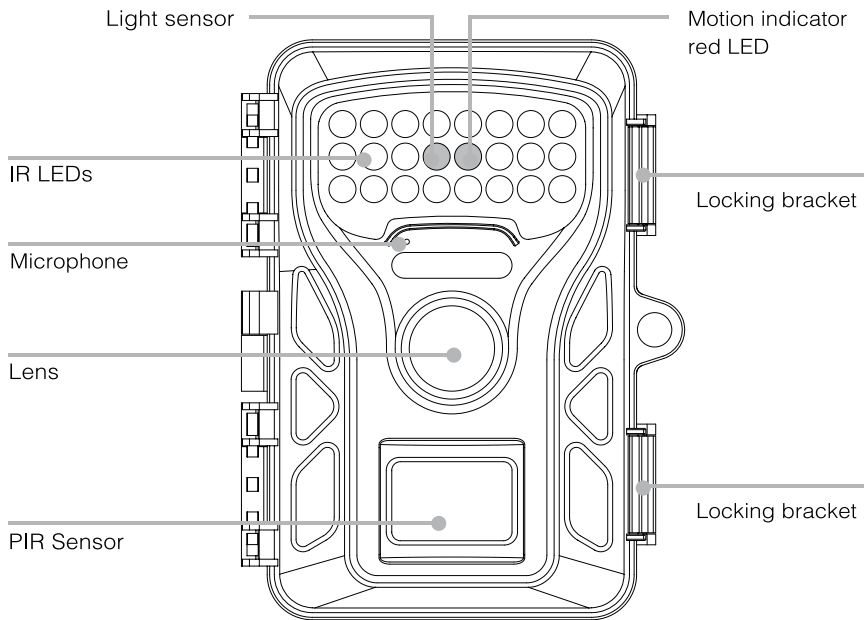
## BOX CONTENTS

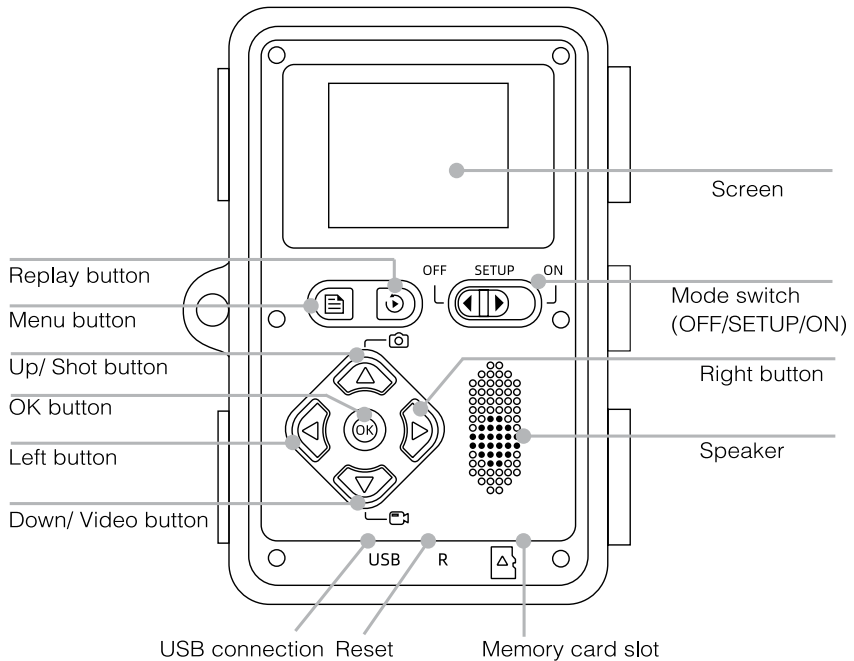
1 x Wildlife Camera  
1 x Mounting Belt  
1 x USB Cable  
1 x User Manual

**WARNING: Keep plastic foil and bags away from babies and small children, as otherwise danger of suffocation.**

**NOTE: Remove the protective foil from the camera lens by pulling the protruding tab.**

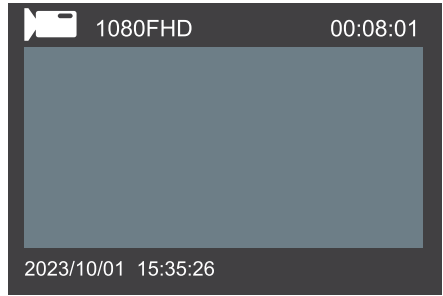
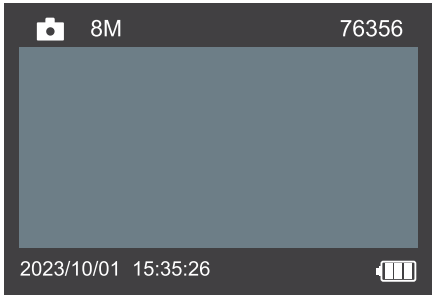
# PRODUCT DIAGRAM







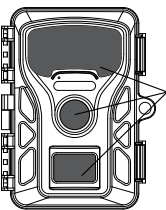
- The monitor is switched on only in SETUP mode for changing menu settings or viewing existing photos.
- A TF memory card must be inserted into the memory card slot to save photos (not included).
- The mode switch allows you to select from three operating modes: OFF, SETUP, and ON.

## View Screen Indicators

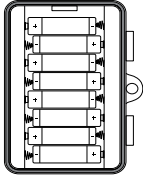


	Photo/Video Mode
8M / 1080FHD	Current Image Resolution/Video Resolution
76356 / 00:08:01	Image/Video Capacity Left
	AA Alkaline Battery Usage Icon
2022/06/01 15:35:26	Date and Time

## QUICK START GUIDE



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



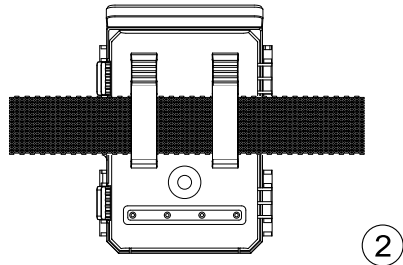
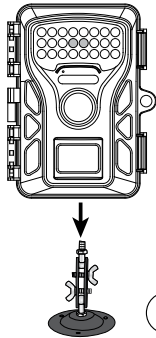
2. Open the battery cover to install 8 AA batteries. Energizer Lithium batteries are recommended (batteries not included). Alkaline batteries may be used, but their lifespan will be shorter. Rechargeable batteries are not recommended. Ensure the batteries are installed with the correct polarity (+/-).



3. To install a new SD card of up to 128GB, it's recommended to use high-speed cards (Class 10 or above) if you plan to record video clips. It's advisable to format the new SD card with the camera before usage.



4. At the location where you plan to place the camera, move the power switch to the ON position. The camera's default settings are optimised for typical use as a scouting camera for hunters. These defaults include Photo Mode at 8MP resolution, a 30-second interval between photos, and "Medium" PIR sensitivity. You can easily adjust these settings to match your preferences or application, such as capturing videos, selecting a different photo resolution, or increasing the interval between captures. Changes can be made using the app on your smartphone or the camera menu (by moving the power switch to the SETUP position).



5. Mount the camera using the provided tree strap or 1/4"-20 mounting socket.

**Now your camera is ready to use.**

## USING THE CAMERA

Before setting up the camera for surveillance, it must be configured for its intended purpose. This can be done using the SETUP mode. In this mode, you can adjust settings, capture photos and videos, and review existing photos.

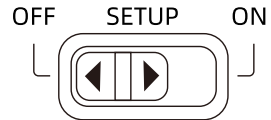
### Mode switch

The mode switch is located at the bottom edge on the left side of the interior. Three operating modes can be selected:

**OFF:** The camera is completely powered down in this mode.

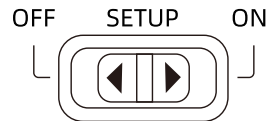
**SETUP:** Use this mode to adjust settings, capture photos or videos, and review existing footage.

**ON:** The camera is activated for automatic photo and video capture (Live Mode)



### Settings

Before using the wildlife camera, adjust the settings as needed. Slide the camera's mode switch to the SETUP position to enter setup mode. In Photo or Video mode, press the MENU button to access the menu. All available menu options and setting values for the recording mode are listed below.



Capture

**Photo Pixel:** 48M / 30M / 25M / 20M / 16M / 12M / 8M / 5M available.

Select the desired resolution for photos. Higher resolutions provide better photo quality but result in larger file sizes, which require more memory card storage.



## Sequence

Options: 1 shot / 2 shots / 3 shots

Select the number of photos to be taken in succession when the camera is triggered in Photo mode. Be mindful of the Interval parameter for optimal performance.



## Video Resolution

Options: 4K / 2K / 1080FHD / 720P

Choose the desired video resolution. Higher resolutions offer better video quality but result in larger file sizes, requiring more memory card space. Videos are recorded in AVI format, compatible with most video devices.

## Recording Length

Default: 10 seconds (Adjustable from 10s to 180s using the Up and Down buttons).

Set the video recording duration for when the camera is automatically triggered.

Additional Notes for Recording:

In SETUP mode:

- During the day and at night, manual recording will stop after 29 minutes.
- When a single video clip reaches 4GB.

When the memory card is full or battery power is low.

In Live Mode (ON):

- At night, recording follows the preset video length.
- Recording will stop if battery power is low.
- To preserve battery life, set shorter video lengths in advance.

## Power Consumption

- Video recording consumes significantly more power than photo capture, especially at night with IR LEDs active. For optimal battery life use shorter video lengths.
- Note that a 10-second video recording uses as much power as capturing 150 photos.

**Record Audio:** On / Off

**Audio Volume:** Low / Medium / High

Adjust video playback volume.



### **Capture, Video, Capture + Video**

- Capture: Used for taking photos.
- Video: Used for recording videos.
- Capture + Video: Enables the camera to take both photos and videos in sequence. The camera captures a photo first and then records a video.

### **Operate Interval**

Default: 30 seconds (adjustable from 5 seconds to 30 minutes).

The PIR Interval option allows you to set the time delay between captured images when an animal remains within the camera's sensor range after being detected and triggered. During the selected interval, the camera does not record any images or videos. This helps prevent the memory card from being filled with redundant shots.

### **Note:**

A short interval time increases the camera's shooting frequency, resulting in higher battery consumption and shorter battery life. A long interval time reduces battery consumption, ensuring longer battery life.

### **Time Lapse: Off / On**

When On is selected, the camera automatically takes photos or records videos at the set interval, regardless of whether the PIR sensor detects motion. This feature is ideal for observing events that occur over time, such as the behavior of cold-blooded animals (e.g., snakes) or the blooming of plants.

As soon as the "On" setting is confirmed by pressing the OK button, you can set the interval time for taking photos or recording videos.

**Note:**

In this mode, the PIR function is disabled, and the camera takes photos or records videos at the set interval time.

**Timer:** On / Off

Select "ON" to establish a monitoring period. Once the setup is complete, the camera operates exclusively during the specified time frame each day. Outside this period, the camera remains in standby mode.

For example, if the start time is set to 18:35 and the end time to 8:25, the camera will function from 6:35 PM on the current day until 8:25 AM the following day. Beyond this specified time frame, the camera will not be triggered and will not capture any photos or videos.

**Date/Time**

To modify the Date/Time setting, select Date/Time and press OK. Use the Up and Down buttons to adjust the values, and the Left or Right buttons to navigate to the next setting item. Press the Menu button to exit the Date/Time setting.

**Time Stamp:** On / Off

Select whether to display the Time and Date stamp on images. The default setting is ON.

**Format:** OK / Cancel

Deletes (erases) all files stored on the card to prepare it for reuse. Always format a card that has been previously used in other devices.

**Default Setting** (Reset to Factory): OK / Cancel

Restores all settings to their factory defaults

**Screen Saver:** Off / 1 Minute / 3 Minutes

**Auto Power Off:** Off / 3 min / 5 min / 10 min

The LCD monitor will automatically turn off after the selected time period.

**Economy Mode:** On / Off

When enabled, files captured at night under low battery conditions will result in completely black images.

**Beep Sound**

Enable or disable the sound feedback for button presses and alerts.

**PIR Sensitivity:** High / Medium / Low

High: Maximum PIR sensitivity with the farthest detection range.

Medium: Moderate PIR sensitivity with an average detection range.

Low: Lower PIR sensitivity with a shorter detection range

**Note:**

This setting affects the PIR detection range and sensitivity; adjust it carefully to suit your needs.

**Loop Recording:** On / Off

If you intend to use this product in the field for an extended period with limited memory card capacity, you can enable this function. When set to "On," the camera will overwrite older files, ensuring the memory card can continuously store new recordings.

**Password Setting:** On / Off

When set to "On," you can create a four-digit password to secure your camera against unauthorized access. This password must be entered each time the camera is turned on in SETUP mode before it can be used.

**Note:**

If you forget your password, you can unlock the camera using the password "OPEN".

**Serial ID Set:** On / Off

Select "ON" to assign a unique name to the camera, which will be displayed in the photo watermark.

**Language**

Choose your preferred menu language. Available options include English, German, French, Spanish, Chinese, and more.

**Version**

Check the current software version of the camera.

**Replay Mode:**

Press the PLAYBACK button to access the playback interface. Use the Menu button to delete files if needed.

**Delete File**

Remove individual photos or videos. After selecting this option, the item to be deleted will be displayed. Confirm by selecting "OK" and pressing the OK button. To cancel, select "Cancel" and confirm with OK.

**Delete All**

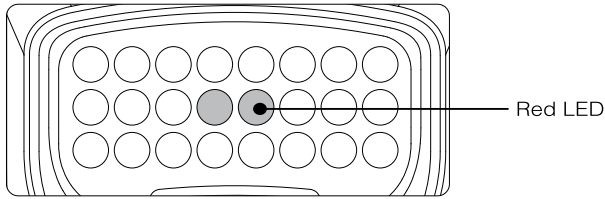
Delete all photos and videos stored on the memory card. Confirm the deletion by selecting "OK" and pressing the OK button. To cancel, select "Cancel" and confirm with OK.

**Aligning the Camera**

The Test Mode helps optimize the camera's detection angle and sensor range.

1. Attach the camera to a tree at a height of approximately 1-2 meters.
2. Align the camera in the desired direction.
3. Slowly move from one side of the monitored area to the other, parallel to the camera.
4. Experiment with different angles and distances to find the optimal setup.

The red LED on the front of the camera will light up when movement is detected by the central sensor zone, indicating successful detection.



This process helps you determine the best position for aligning the camera. The LED lights up only in SETUP mode when one of the sensors detects movement. The LEDs do not light up in Live mode.

To avoid false triggers and unnecessary photos, we recommend:

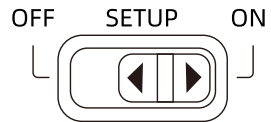
- Avoid placing the camera in direct sunlight.
- Ensure no branches are within the active sensor area.
- Align the camera optimally in a North or South direction.

The sensors have a detection range of approximately 60°. Check that the camera is mounted at the correct height, aligned with the point to be observed. If necessary, tilt the camera downward for optimal alignment.

**Note:** The Wildlife Camera is rated IP66, meaning it is fully protected against dust and resistant to water jets. This makes it suitable for use in all weather conditions.

## Setting up the Live mode

The standard application for the Wildlife Camera is Live Mode. In this mode, photos and videos are triggered either by motion sensors or at intervals based on the selected settings.



### Steps to Set Up Live Mode:

Slide the Mode Switch to the ON position.

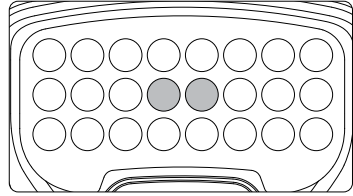
The red status LED will flash for approximately 5 seconds, after which the camera will automatically enter Standby Mode.

### How It Works:

The camera begins recording photos or videos as soon as wildlife or other objects enter the detection area of the central sensor zone. This ensures efficient and automatic monitoring based on movement or pre-set intervals.

## Night recording with Infrared LEDs

During night recording, the infrared LEDs (IR LEDs) on the front of the Wildlife Camera provide the necessary light for capturing photos. The camera uses IR LEDs with a long wavelength to minimize visible red light, ensuring discreet operation.



## Key Features of Night Recording

- The IR LEDs offer a wide deflection angle, allowing effective night recording at distances ranging from 3 m to 20 m without overexposing the subject.
- Reflective surfaces, such as road signs, may cause overexposure even within this range.
- Night recordings captured with IR LEDs are rendered in black and white.

This ensures clear nighttime images while maintaining a low profile to avoid startling wildlife.

## File Storage and Transfer

The Wildlife Camera stores photos and videos on the memory card in the folder \DCIM\MOVIE&PHOTO.

- Photos: Saved with the file extension .JPG (e.g., "IMAG0001.jpg").
- Videos: Saved with the file extension .AVI (e.g., "IMAG0001.avi").

## Transferring Files

### 1. USB Cable Method:

In SETUP or OFF mode, connect the camera to your computer using the provided USB cable to transfer files.

### 2. Memory Card Reader:

Alternatively, insert the memory card into a card reader on your computer for direct file access.

## Playback Compatibility

Video files can be played on most standard programs, including Windows Media Player, QuickTime, and similar applications.

## CONNECTING THE CAMERA TO A COMPUTER

The Wildlife Camera can be connected to a computer using the supplied USB cables to view existing photos and 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:

Use the supplied USB cable to connect the Wildlife Camera to your computer.

#### 2. Automatic USB Mode:

The camera will automatically switch to USB mode, regardless of the mode selected on the mode switch.

#### 3. Device Recognition:

The camera will appear on your computer as an additional drive labeled "Removable Storage Device."

#### 4. Access Files:

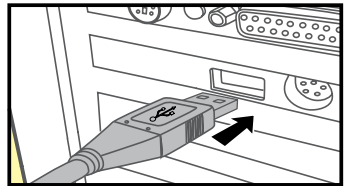
Double-click on the device to locate the "DCIM" folder.

#### 5. Locate Files:

Photos and videos are stored in subfolders within the "DCIM" folder.

#### 6. Transfer Files:

You can copy or move photo and video files to your computer. Alternatively, you can remove the memory card from the camera and use a card reader to transfer files directly.



**Note:** When using a Mac computer, an "Unknown" drive appears on the desktop. Clicking this drive automatically launches the "iPhoto" program.



## SPECIFICATIONS

Lens	f=4.0mm F/NO=2.0 FOV=90°
Picture Resolution	48M: 8000x6000; 30M: 7392x4160; 25M: 6800x3824; 20M: 6192x3488; 16M: 5392x3040; 12M: 4688x2640; 8M: 3792x2144; 5M: 3008x1696; 2M: 1920x1080
Video resolution	4K(3840 x 2160@30fps); 2K(2560 x 1440@30fps); 1080P(1920 x 1080 30fps); 720P(1280 x 720 30fps)
Video Format	JPEG/AVI(MJPG)
Display Screen	2.0" color TFT LCD
Trigger distance	65ft/20meters
Trigger time	approx. 0.4 second
Detection angle	60°
IR flash range	65ft/20meters
Functions	Multishot 1 to 3 images, interval 5 sec. to 60 min., video length 10 sec.to 3 min, interval recording, timer, password protection, image info stamp, low battery alarm
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. 135 x 103 x 70 mm
Weight	approx. 260 g

### Note:

Design and technical specification are subject to change.

## TROUBLESHOOTING

### Unable to Turn On the Camera?

- Check Battery Installation: Ensure all four batteries are installed in the battery compartment, filling all spaces with no gaps.
- Battery Recommendation: Use Energizer Lithium AA batteries for optimal performance.
- Verify Polarity: Confirm the batteries are installed correctly, with the negative (flat) end in contact with the spring side of each slot.
- Restart the Camera: Press the “R” reset button at the bottom of the camera to restart it.

### Camera stops capturing images or fails to take photos?

- Check Battery Installation: Ensure all four batteries are installed in the battery compartment, filling all spaces with no gaps.
- Battery Recommendation: Use Energizer Lithium AA batteries for optimal performance.
- Verify Polarity: Confirm the batteries are installed correctly, with the negative (flat) end in contact with the spring side of each slot.
- Restart the Camera: Press the “R” reset button at the bottom of the camera to restart it.

### Camera captures repeated images without a subject?

This issue, known as a “false trigger,” occurs when the PIR sensor detects motion and heat in front of the lens, even when no subject is present. Here are some possible causes and solutions:

Causes of False Triggers:

- Motion from tree branches or other objects moving in front of the camera.
- High heat in the foreground combined with wind-induced motion.
- Placement of the camera over water, which can reflect motion and heat.

Solutions to Resolve False Triggers:

- Move the camera to a location free from these environmental factors.
- Adjust the PIR sensor sensitivity in the camera’s menu settings.
- Test the camera indoors, aiming it at an area without any motion, to determine if the issue persists.

## **Potential Hardware Issues:**

- If the problem continues, the issue may be due to an electronic component malfunction.
- In such cases, contact customer service for assistance.

## **Experiencing shorter-than-expected battery life with your trail camera can result from several factors. Here's how to address them:**

### **1. Camera Settings**

Operate Interval and Video Length: Shorter intervals between captures and longer video recordings increase power consumption. It's advisable to use the default settings—an interval time of 30 seconds or more, and video lengths within 10 seconds—to optimize battery life.

### **2. Environmental Conditions**

Temperature: Battery performance can vary with operating temperature and the number of images taken over time. Typically, a camera can capture several hundred images before the batteries are depleted.

### **3. Battery Quality**

Type: Ensure you're using new, high-quality batteries. Lithium batteries, such as Energizer Lithium AA, are recommended for maximum battery life. They perform better in extreme temperatures and have a longer lifespan compared to alkaline batteries.

### **4. SD Card Quality**

Brand: Using a reputable SD card brand is crucial. Poor-quality SD cards can sometimes reduce your camera's battery life. Brands like SanDisk are recommended for their reliability.

By optimizing your camera settings, using high-quality batteries and SD cards, and considering environmental factors, you can significantly enhance your trail camera's battery performance.

**Experiencing issues with still photo and video quality on your trail camera can stem from various factors. Here's a comprehensive guide to troubleshoot common problems:**

### **1. Night Photos or Videos Appear Too Dark**

- **Battery Check:** Ensure the battery power is sufficient. The flash may cease to operate when battery levels are low, resulting in darker images.
- **Subject Distance:** Optimal flash range is up to 15 meters. Subjects beyond this distance may appear darker due to insufficient illumination.

### **2. Daytime Photos or Videos Appear Too Dark**

- **Camera Positioning:** Avoid aiming the camera directly at the sun or other bright light sources during the day. This can cause the camera's auto-exposure to darken the images to compensate for the intense light.

### **3. Daytime Photos or Videos Appear Too Bright**

- **Surrounding Environment:** If the camera is aimed at extremely dark areas during daylight, the auto-exposure might overcompensate, resulting in overly bright images. Adjust the camera angle to balance exposure.

### **4. Short Video Clips—Not Recording to the Length Set**

- **SD Card Capacity:** Verify that the SD card has ample space. A full card can prevent new recordings or truncate video length.
- **Battery Life:** Low battery levels can lead the camera to record shorter video clips to conserve power. Ensure the batteries are fresh and fully charged.

By systematically addressing these factors, you can enhance the quality of your trail camera's photos and videos.

## **Why are subjects missing in photos?**

### **Check PIR Sensitivity Settings**

- Adjust the PIR SENSITIVITY parameter in the SETUP menu.
- Use HIGH for warm temperatures, LOW for cold weather, and MEDIUM for variable conditions.

### **Avoid Heat Sources**

Place the camera in an area without heat sources in its line of sight.

### **Avoid Water Reflection**

Position the camera over ground instead of near water to prevent false captures.

### **Sturdy Placement**

Avoid setting the camera on small trees that may sway in strong winds.

### **Clear the View**

Remove any branches or limbs directly in front of the camera lens.

### **PIR sensor LED flashes/doesn't flash?**

- When the camera is in SETUP mode, a special LED on the front will flash when it detects motion. This is for setup purposes only and assists with camera alignment.
- - During normal use, the LED does not visibly flash when the camera takes a photo. Instead, the LED array emits infrared light to keep the camera hidden from wildlife.

### **Display screen powers on but then turns off?**

The display screen automatically powers off after 30 seconds of inactivity to conserve battery power, unless control keys are pressed.

## MAINTENANCE

### Maintenance

- Avoid using corrosive cleaners like methylated spirits or thinners to clean the camera housing or accessories.
- When needed, clean components with a soft, dry cloth.

### Storage

- Remove the batteries from the camera if it will not be used for an extended period and store them separately.
- Store batteries in a dry location out of reach of children for both short-term and long-term storage.

### Disposal

Packaging Materials: Separate packaging into different types and dispose of them according to environmental regulations in designated collection containers.

### Batteries:

- Batteries and storage batteries must not be disposed of in household waste.
- Consumers are legally required to return used batteries to communal collection points or battery retailers.

### Electronic Equipment:

Use local council returns or collection points, or contact the dealer where the product was purchased.

Proper disposal prevents potential harm to the environment and human health caused by improper waste handling.



## 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