

GardePro

INSTRUCTION MANUAL

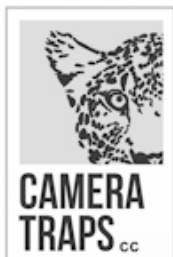
Model: E5 2.0-4K



Congratulations on your purchase of one of the best trail cameras on the market! We appreciate your business and want to earn your trust. Please refer to the notes below and the instructions in this manual to ensure that you are completely satisfied with this product.

In case of any further questions or concerns, please get in touch with info@cameratraps.co.za

Est. 2007



YOUR PATIENT WITNESS

www.cameratraps.co.za

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1. IN THE BOX

1 x Camera, 1 x Mounting Strap,
1 x Instruction Manual, 1 x USB Cord.

Note: Memory card and batteries are not included (user supplied).

2. IMPORTANT NOTE

Require eight (8) 1.5V AA Alkaline or Lithium batteries. For optimal battery life, we recommend using **Energizer** lithium batteries.

Do NOT mix old and new batteries. Do NOT mix battery type. It is not recommended to use rechargeable NiMH batteries (especially 8 AA 1.2V), as their low voltage can cause frequent recharging and affect camera performance.

Remove batteries when the camera is NOT in use.

Require a full-size SDHC/SDXC memory card (maximum capacity 512GB). Recommend using SanDisk 32GB SDHC Class 10 memory cards in the camera to obtain the best cost-performance.

Before first use, please format your SD card in the camera by using "Format SD Card" in the menu settings.

3. PARTS AND CONTROLS

The camera is equipped with 36pcs high efficiency infrared LEDs, LED Indicators, Lens, PIR Sensors, Lock Buckle in front view (Figure 1). **TIP:** During use, the black PIR Lens may be dirty or have scratches, however it does not affect the performance due to the reliability design. If you must clean it, please try to blow it off or pick out the dirt very lightly. Please do not try to wipe it, which may cause more scratches.

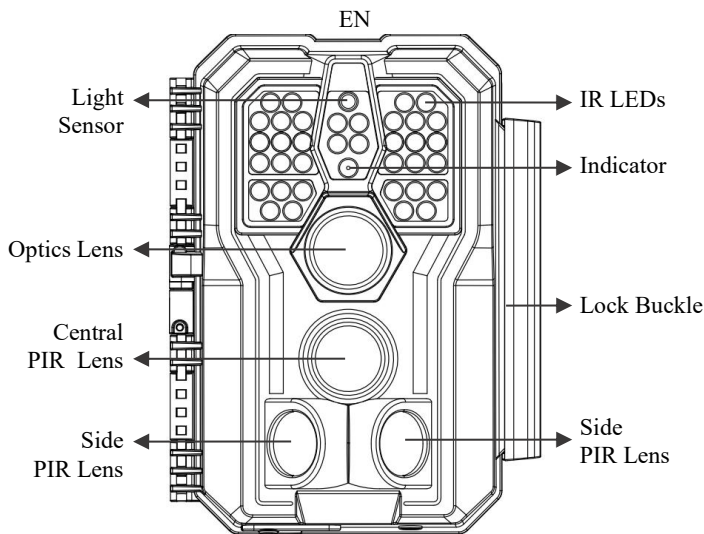


Figure 1: Front View

The camera provides the following connections for external devices: USB port and DC power slot etc (*Figure 2*).

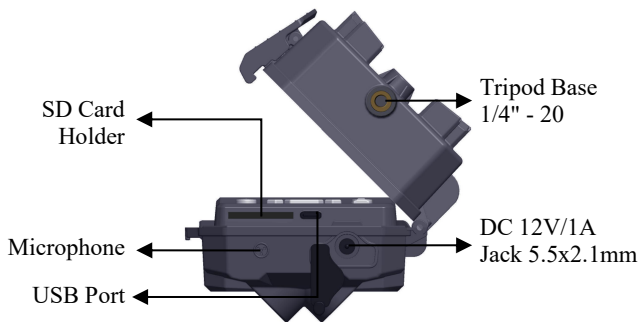


Figure 2: Bottom View

The camera has one security cable hole and two strap holes on the back. The strap can be put through the strap holes and fastened securely around a tree trunk by pulling the end of the strap firmly (*Figure 3*).

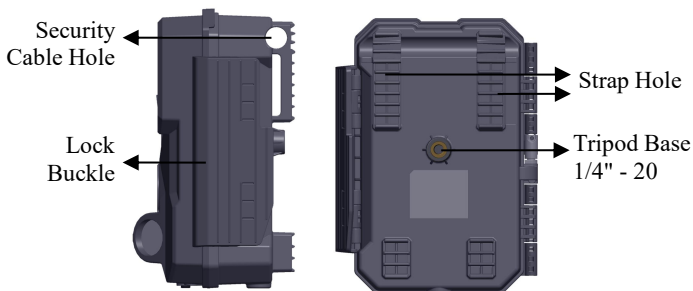


Figure 3: Right / Back View

The camera has a 2.4-inch built-in LCD screen, which can be used for reviewing pictures or videos and menu displaying, and exclusive keypad design for easy program and operation, 8 AA batteries slot supported (*Figure 4*).



Figure 4: Inside View

A power switch is used to power on (**ON** mode) or off the camera (**OFF** mode). A **START** button is used to quickly make the camera into the surveillance mode (motion detection) or time lapse per your settings (*Figure 4*). When the camera is in the surveillance mode, press the **START** button to wake up the camera.

4. INSTALLING THE BATTERY AND SD CARD

4.1. Loading Batteries

After opening the cover of the battery compartment, you will see that the camera has eight battery slots (*Figure 5*). A full eight batteries must be installed for the camera to operate. Be sure to insert each battery with correct polarity (negative or "flat" end against the long spring of each battery slot).

In **ON** mode when battery power level gets low, the message "**Low Battery**" will show on the screen, please replace the batteries. If the battery indicator shows in RED, this does mean the batteries are not able to drive IR LEDs flash at night, however the batteries still work at daytime until batteries died. If you want to continue night vision, please replace the batteries.

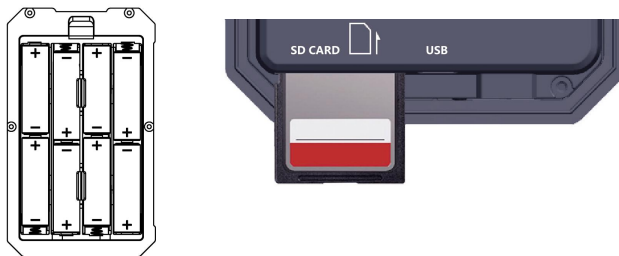


Figure 5: Installation of batteries and SD card

4.2. Inserting the SD Card

Insert the SD card (with the camera powered off), before beginning to operate the camera (*Figure 5*).

- Insert the SD card into the card slot with its label side upwards. A "click" sound indicates that the card is installed successfully. Formatting the SD card by using the camera's "**Format SD Card**" menu option before first use is recommended, especially when a card has been used in other devices.
- To take out the SD card, just gently push in the card (do not try to pull it out without pushing in first). Be sure the camera's power is switched **OFF** before inserting or removing SD cards or batteries.

5. USING THE CAMERA

Once you've installed the batteries and SD card in your camera, you can simply take it outside, attach it to a tree if needed, turn it **ON**, press the **START** button, and leave it to capture photos. However, we strongly recommend spending some time indoors with the manual and your camera first to familiarize yourself with the controls. If nothing else, you'll probably want to at least set the date and time so the camera will imprint them (or not-it's your option) on your photos as they are taken, learn how to set the camera to shoot video clips instead of still photos if you like, and read some tips about mounting it on a tree.

6. THE OFF, ON, AND SURVEILLANCE MODES

The camera has three basic operational modes:

- **OFF** mode: Power switch in the **OFF** position (The camera is powered off).
- **ON** mode: Power switch in the **ON** position (The camera is powered on and its screen is on).

- **SURVEILLANCE** mode: When the camera is powered on, press **START** button to enter the surveillance mode. When the screen is off, the camera enters standby and will perform according to your settings.

6.1. *OFF Mode*

The **OFF** mode is the "safe" mode when any actions must be taken, e.g., replacing the SD card or batteries, or transporting the device. And of course, when you are storing or not using the camera, you will switch it to **OFF**. Please note that in the **OFF** mode the camera still consumes a little power. It's a good idea to take the batteries out of the battery compartment if the camera will not be used for a long time.

6.2. *ON Mode*

In the **ON** mode you can check and change the settings of the camera with the help of its built-in screen. These settings, found in the menu by pressing **MENU** key, let you change the photo or video resolution, interval between photos, switch the time imprint on, etc. (*See more in **Section 8 ADVANCED SETTINGS***).

On the screen display, you will see an information screen that shows how many images have been taken, the battery level, camera or video mode, etc.

ATTENTION PLEASE: In the **ON** mode, the camera will automatically enter **SURVEILLANCE** mode if there is no operation (key pressing) within **5** minutes. Then the camera will perform as your settings in the menu.

In the **ON** mode, you can connect the camera to a computer's USB port to download your images.

6.3. SURVEILLANCE Mode

Any time after the batteries and SD card have been inserted, you can switch on the camera. When the **START** button is pressed, the camera will enter into the **SURVEILLANCE** mode. If the Mode in the settings is set as "Motion Detection", the camera will count down a 30-second delay and then be ready to capture images. If the Mode is set as "Time Lapse", there will be no 30-second counting down, and the camera will be ready to enter Time Lapse.

Once in the **SURVEILLANCE** mode, no manual controls are needed or possible (the control keys have no effect). The camera will take photos or videos automatically (according to its current parameter settings).

***TIP:** You can press the **START** button again to wake up the camera and reprogram your camera if required.*

7. ADVANCED SETTINGS

The trail camera comes with preset manufacturer settings. You can change the settings to meet your requirements. Once the camera screen is on, press **MENU** key to enter/exit the menu. Press the **UP/DOWN** key to move the marker, Press the **LEFT/RIGHT** key to change the setting, and press the **OK** key to confirm the change. Always remember to press the **OK** to save the change. Otherwise, you will lose your new setting.

Parameter	Settings (Bold =default)	Description
Mode	Motion Detection Time Lapse Hybrid	In Motion Detection mode, the camera will take photos or videos once triggered. In Time Lapse mode, the camera will take photos or videos periodically according to your preset

		"Timelapse Interval" parameter. Hybrid mode includes both above.
Photo or Video	Photo Video Photo+Video	Select whether still photos or video clips are taken.
Photo Quality	4MP - 64MP	Select desired resolution for still photos.
Photo Burst	01, 02, 03, 04, 05	Select the number of photos taken in sequence per trigger.
Video Quality	2160p 4K 1440p 2K 1080p	Higher resolution produces better quality videos, but creates larger files that take more of the SD card capacity.
Video Length	10 seconds, Optional from 3s to 5m	Select video recording length. <i>Note: It is highly recommended to set the night video length to less than 30 seconds as the IR LEDs will consume more battery power.</i>
Video Sound	On Off	Selecting On will record video with sound. Then press the "OK" button to select the level from high, medium and low.
Video Format	MP4 MOV	MP4 is the mainstream format in the video industry. Select MOV in case some legacy digital camera software must be working with videos in MOV format.
Detection Delay	10 seconds, optional from 0s to 60m	Select the shortest length of time that the camera will wait until it responds to any subsequent triggers from the PIR sensor after a game is first detected. During the selected interval, the camera will not take pictures/videos. This prevents the memory card from filling

		up with too many redundant images. 0 means capture as fast as possible. <i>Note: this option is invalid if Mode is set as "Time Lapse".</i>
PIR Sensitivity	High, Medium Low	Select the sensitivity of the PIR sensor. Temperature affects the sensitivity. The High setting is suitable when the ambient temperature is warm or you want to capture distant objects or capture more, and the Medium/Low setting is helpful in cold weather and good for less false trigger. <i>Note: this option is invalid if Mode is set as "Time Lapse".</i>
False Trigger Suppression	High Medium Low	From low to high, the degree of false trigger suppression is gradually increasing. When the camera is experiencing excessive false triggers, such as capturing a large number of photos without any moving objects, it is recommended to set the suppression level to "High".
Side Motion Sensors	On Off	Selecting On will activate the side motion sensors. It brings faster trigger speeds and helps capture fast moving animals. When any of the two side motion sensors detects a motion event, the camera will be pre-activated. While the animal enters the detection area of the center motion sensor, the camera will start taking photos or videos. Select Off to save battery power.

Motion Test		This feature helps you aim the camera at your target area. Please refer to the details in Section 8.2 .
Timelapse Interval	First Shot Time: hh:mm	Set the earliest shot time after Time Lapse or Hybrid mode is enabled. If you would like to get photos earlier, it is recommended to set it later than the current time.
	Interval: optional from 3s to 24h	Set time lapse interval. It takes effect ONLY when Mode is set as Time Lapse or Hybrid, the camera will automatically take photos/videos according to the set interval, regardless of whether the PIR sensor has detected any game. This is helpful when observing cold-blooded animals like snakes, or the process of flowering, etc. <i>Note: This option is invalid if Mode is set as "Motion Detection".</i>
Timelapse Period	On Off	Selecting On to set a specific working time period for Time Lapse . You can set up to 2 different time periods for the camera, and it will not capture time-lapse photos or videos outside of those periods. <i>Note: This option is applicable ONLY if the Mode is set as Time Lapse or Hybrid.</i>
Date/Time	M/D/Y hh:mm	M – Month, D – Day, Y – Year hh – Hour, mm – Minute <i>Note: Use "LEFT/RIGHT" key to switch, use "UP/DOWN" to set. Date input format may change. Please refer</i>

		to "Date Format" .
Date Format	D/M/Y M/D/Y Y/M/D	Select date format which will be shown on the screen and each capture.
Time Format	12h 24h	Select time format which will be shown on the screen and each capture. 12h - AM/PM
Temperature Unit	°C °F	Select temperature unit which will be shown on the screen and each capture.
Camera Name	On Off	Select On to assign a 4-18 character code (letters a/A-z/Z, numbers 0-9) to record the location in the photo.
Info Strip	On Off	Select On to show date, time, temperature, moon phase on each capture.
Loop Recording	On Off	Selecting On option will cause the oldest files to be overwritten with new captures when the memory card reaches its capacity. With Off option selected, the camera will stop capturing images once the memory card reaches capacity.
Operation Hours	On Off	Selecting On to set a specific working time period for Motion Detection . For instance, if the starting time is set at 18:35 and the ending time at 8:25, the camera will function from 18:35 the current day to 8:25 the next day. Outside the time period the camera will not be triggered. <i>Note: This option is applicable ONLY if the Mode is set as Motion Detection or Hybrid.</i>

Password	On Off	Set up a 4-digit password to protect your camera from unauthorized users. If the code is lost, you can contact customer support to reset the password.
Format SD Card	Yes No	All files will be deleted after formatting the memory card. It's highly recommended that you format the memory card if it has been used previously in other devices. <i>Caution: make sure wanted files on the memory card have been backed up first!</i>
Factory Reset	Yes No	Selecting Yes will return all your previous settings back to the manufacturer default.
Advanced Settings		Reserved for diagnostic purposes.
Version	Defined	Display the version of the camera.

8. MOUNTING AND POSITIONING

8.1. Mounting

After adjusting the camera's settings to your preferences at home, you can take it outside. When setting it up for scouting game or other outdoor uses, make sure to mount it in place correctly and securely. We recommend mounting the camera on a sturdy tree with a diameter of about 6 inches (15 cm). Position the camera 16-17 feet (5 m) away from the area you want to monitor, and place it at a height of 2.5-3.5 feet (0.75-1 m). For the best night results, keep subjects within 10-100 feet (3-30 m) of the camera.

There are two ways to mount the camera:



using the adjustable mounting strap, or the tripod socket.

Note: *The camera features threaded sockets on both the bottom and back, enabling it to be mounted on a tripod or other accessories using a standard UNC 1/4-20 screw (not included).*

8.2. Sensing Angle and Distance Test

To test the camera's effectiveness in monitoring your chosen area, follow these steps:

- Switch the camera to the **ON** mode.
- Press **MENU** button, go to "**Motion Test**". The camera will count down for up to 60 seconds before it can capture motion. (**Note:** *The actual delay may be shorter, depending on how quickly the motion sensor activates.*)
- Close the camera door.
- Make movements in front of the camera at various positions and distances within the expected monitoring area.
- When the white motion indicator LED flashes **RED**, the camera has detected motion. If it doesn't blink, the position is outside the sensing range. (**Note:** *The red light only blinks when motion is detected within the central PIR sensor's 60° sensing angle. The side sensors have a 30° angle of view and are used to pre-activate the camera; they do not trigger the red light.*)
- The camera will take pictures when it detects motion. After the test, check the screen to see how many times it was triggered and review the images.

The results will help you find the best placement for the camera. Ideally, it should be mounted 2.5 to 5 feet off the ground, depending on the size of the animals you're monitoring.

To prevent false triggers from temperature changes or nearby movement, avoid pointing the camera at heat sources or nearby branches and bushes, especially on windy days.

Do NOT install the camera behind glass, as it will not detect

motion through the window. Also, avoid aiming the camera at any reflective surfaces.

9. REVIEW PHOTOS OR VIDEOS

After setting up and mounting your camera, you can review the captured images later. The camera stores photos and videos in the folder \DCIM\100MEDIA on the SD card. Photos are named DSCF0001.JPG, while videos are named DSCF0001.MP4. You can play MP4 files on popular media players like Windows Media Player, QuickTime, and VLC.

You have a few options to review the files:

Press the "OK" button in the home screen to enter playback mode and view photos or videos directly on the camera screen.

Or with the camera powered on, connect it to your computer using the provided USB cable to view or download files from the SD card.

Or insert the SD card into an SD card reader (*not included*), connect it to your computer, and then view or download files.

10. TROUBLESHOOTING

If your camera does not seem to be functioning properly or if you are having photo/video quality issues, please run these simple and quick checks:

- Make sure the camera is powered on and in the correct mode.
- Format the SD card in the camera or replace the SD card, since the SD card is a storage media and sometimes it might be unstable.
- Replace batteries if night vision seems not to be working as expected.
- The dark background of night images is usually caused by strong reflections from the obstacles close to the camera. To get the best night image, please remove close-up obstacles (such as walls or tree trunks) in front of the camera as possible, or adjust the

installation position of your camera to avoid these obstacles (Figure 7).



Figure 7: Avoid close-up obstacles in front of the camera

If your unit is still having trouble, please contact us, providing us with your order number, or **check the website to determine that you are using the latest firmware and app.** Please be assured we will make the things right for you.