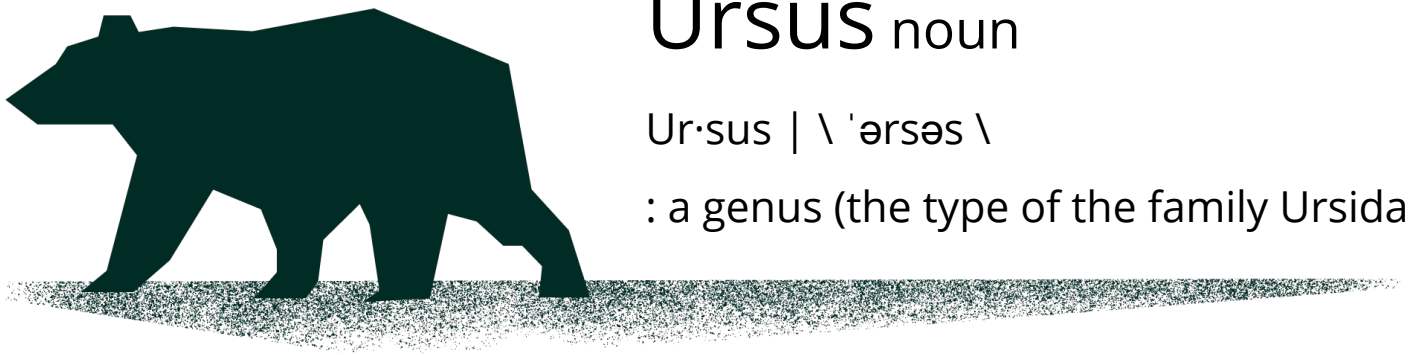
NATURESPY

Ursus Trail Camera Manual

MODEL: NS-URSTC

Thank you for purchasing the NatureSpy® Ursus Trail Camera!

NatureSpy® is a social enterprise and all profits from each sale goes to **wildlife conservation** projects worldwide. We aim to provide the very best equipment, expertise and support to help people and animals **live a wild life®**.



Ursus noun

Ur·sus | \ ˈərsəs \

: a genus (the type of the family Ursidae) of bears

Notes Before Use

This manual has all the information needed to get the most from your new camera, as well as some troubleshooting tips and warranty information.

You can also **scan the QR code** at the front of this booklet to go to the Ursus Trail Camera support page for set-up help and hints and tips or visit **naturespy.org/support.**

Handy First Use Tips:

1. To set the camera parameters and arm the camera, turn the camera switch to the ON position.

2. When replacing the batteries and SD card ensure the camera switch is in the OFF position.

3. The color of the LED Indicator;

① The LED flashes red when in setup mode and the PIR is activated, or when ready for operation. The LED goes off when the camera in armed.

② When battery is too low, the indicator light turns blue.

③ When left in standby / setup mode for a long period, the indicator flashes purple.

④ During a firmware update, the indicator light flashes green.

4. Only use Alkaline or Lithium batteries.

5. When inserting the SD card into the camera, make sure that the SD card lock switch is not in the Lock position.

6. When using an external power supply, make sure that voltage is 12V.

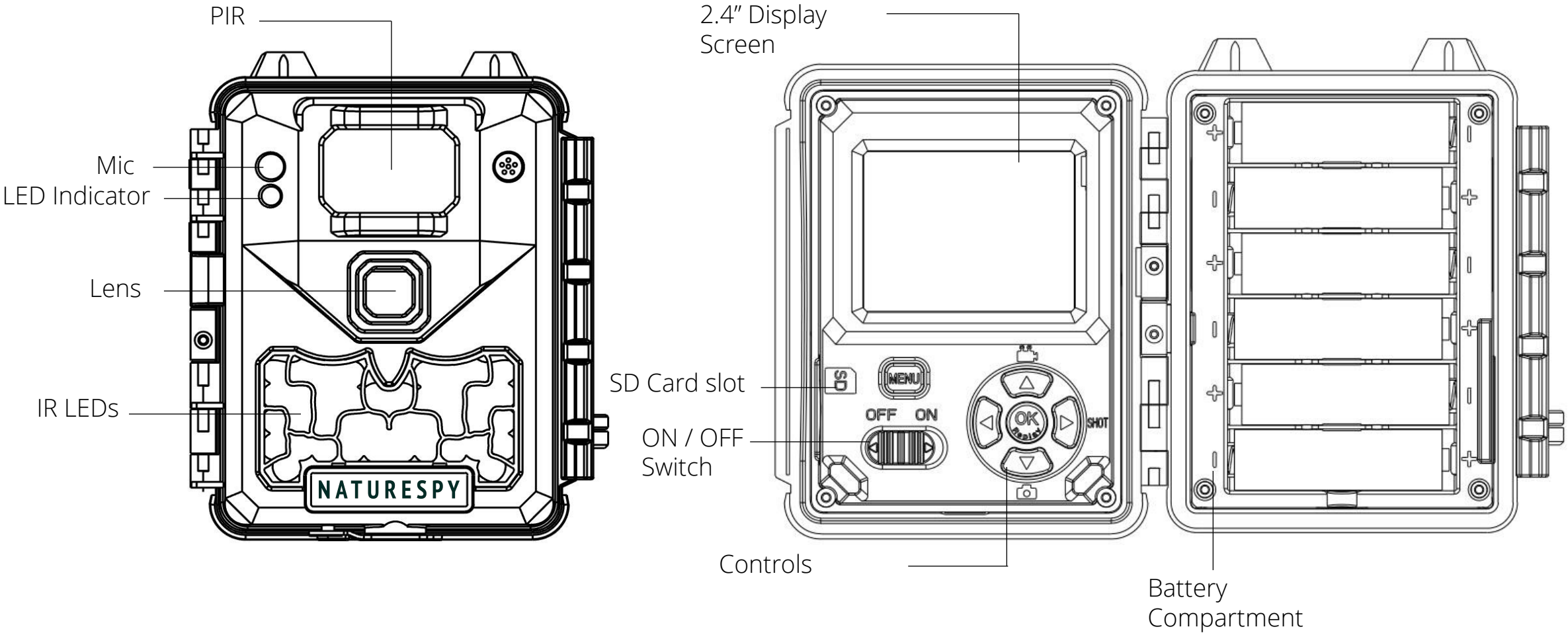
8. Before storing or a long period of non-use, remove the batteries.

9. The camera cannot be submerged in water.

Quick Start

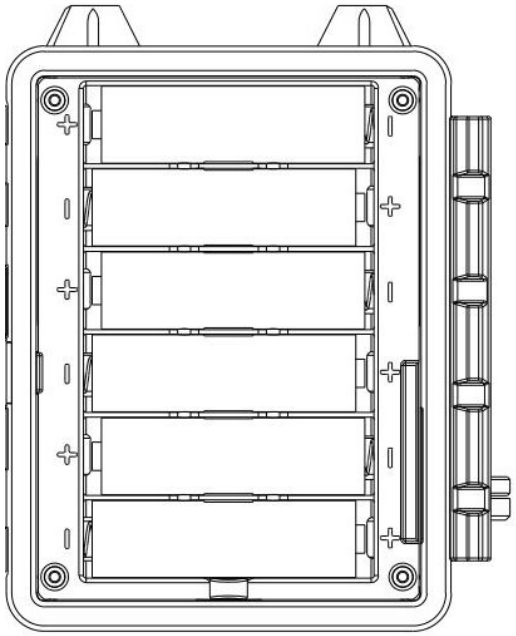
1. Load 6x lithium AA (non rechargeable) or alkaline AA batteries
2. Insert the SD card
3. Move the switch to the On position
4. Press the MENU button
5. Press the UP / DOWN button to select Photo, Video or Dual Mode
6. Press the OK button to select desired option
7. Press MENU to return the main screen. Camera will eventually display a countdown – at the end, the screen will turn off and the camera will be armed and ready to go!

Camera Overview



Power Supply

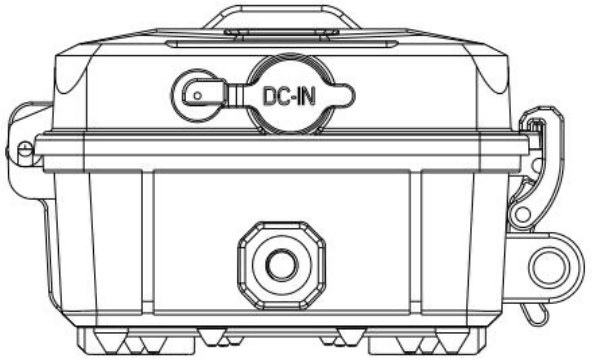
Once opened, you will see the 6 slot for AA batteries. For maximum battery life, we recommend using 6x lithium AA (non-rechargeable), but the camera can also run on alkaline batteries.



Please be sure to insert each battery with correct polarity to avoid damage.

SD Card

Insert the SD card with the camera switched off. We recommend that you format the SD card in the camera on first use. The camera supports up to a maximum 256GB SD card capacity.



Mounting

We recommend mounting the camera on a sturdy tree or post. To get the optimal picture quality, the tree should be about 10-15 ft (3-4m) away from the place you want to monitor, with the camera placed at a height of 1-2ft (30-60cm) off the ground. Also, keep in mind that you will get the best results at night when the subject is within the ideal flash range, no farther than 60ft (19m).

There are two ways to mount the camera: using the provided adjustable strap or the tripod socket on the base.

Sensing Angle and Distance Test

To test whether the camera can effectively monitor the area you choose, you can check the sensing angle and monitoring distance of cam. To perform the test:

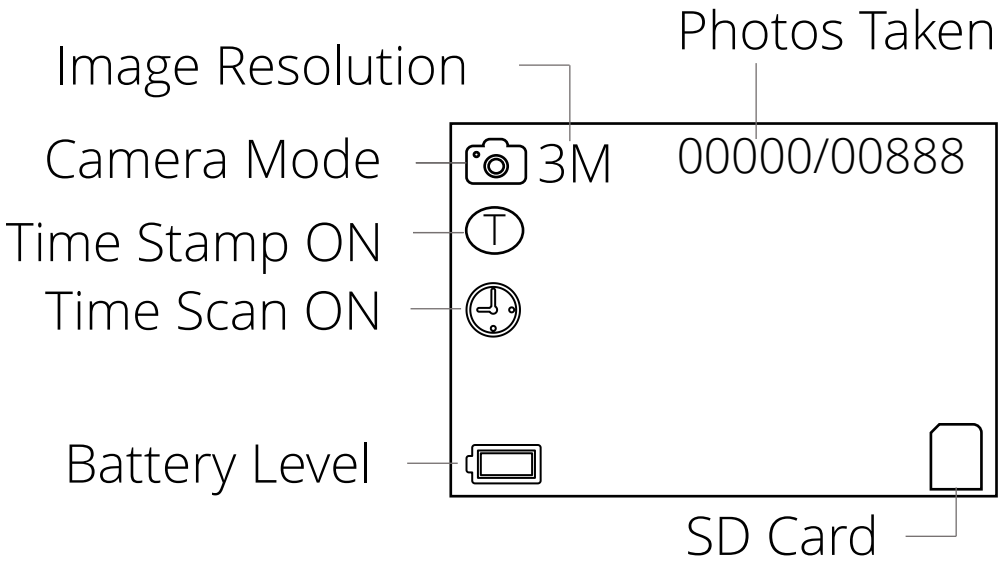
1. Switch cam to ON mode.
2. Move / wave your hands in front of the camera at several positions within the area where you expect the wildlife to be. Try different distances and angles from camera.
3. If the LED indicator blinks red, it indicates that the movement has been detected.

The results of your testing will help you find the best place where mounting and aiming the camera. You can reduce potential false triggers due to temperature and motion disturbances in front of the camera by avoiding any heat sources and by ensuring there a no branches / waving grass immediately in front of the camera.

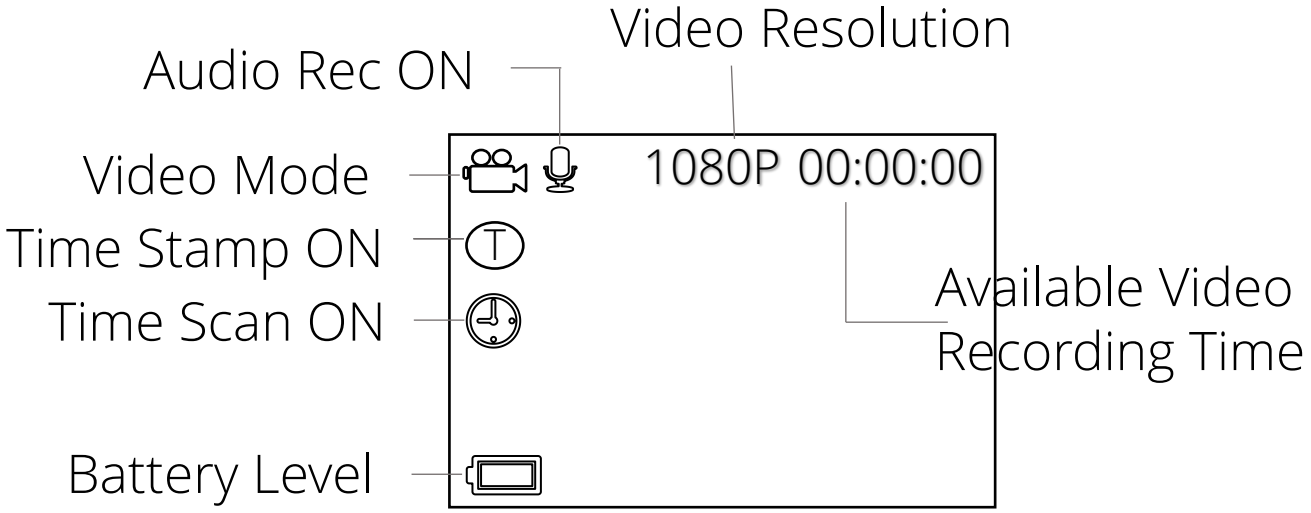
Operational Modes

You can check and change the settings of the camera using the display screen. Moving the power switch to the ON position will turn on the LCD display and you will see the screen as below (depending on camera mode). Press the MENU button to access the camera settings.

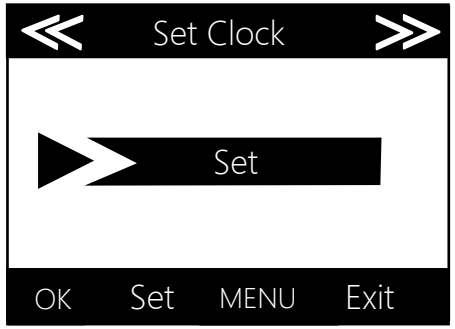
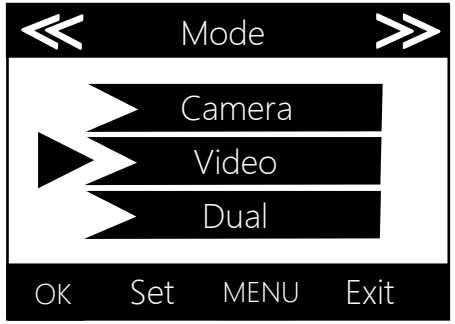
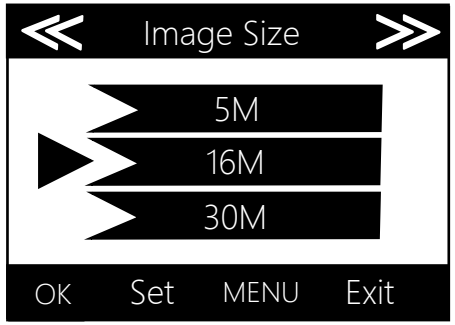
Photo Mode



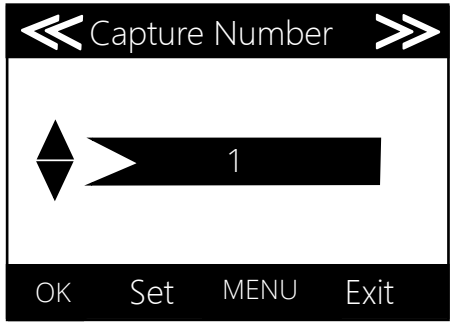
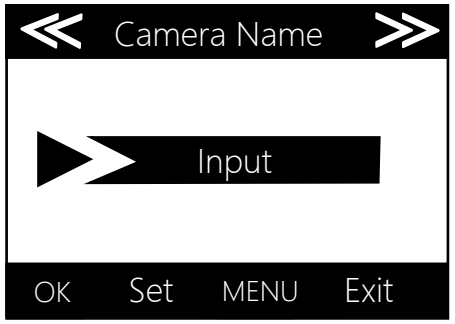
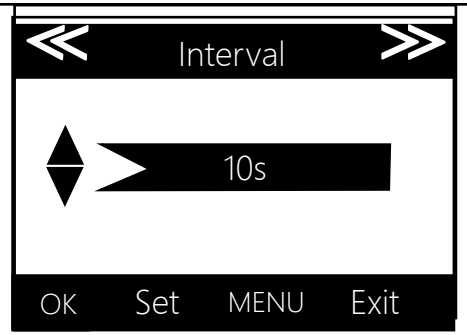
Video Mode



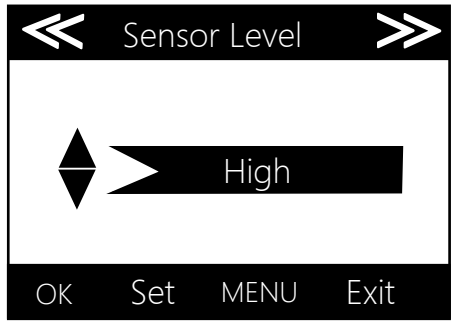
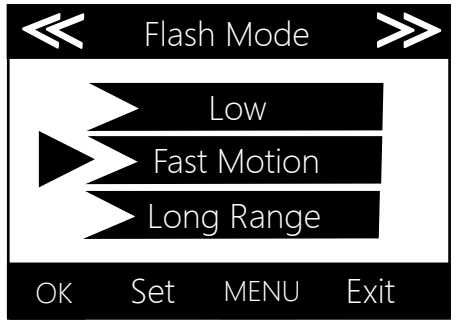
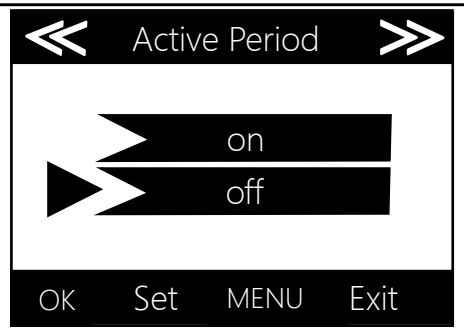
Settings

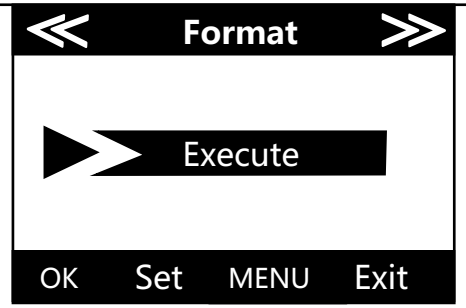
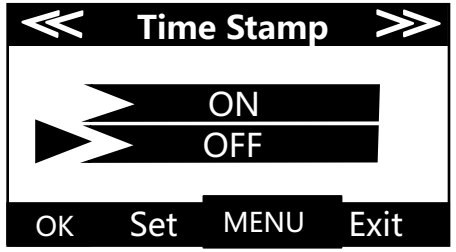
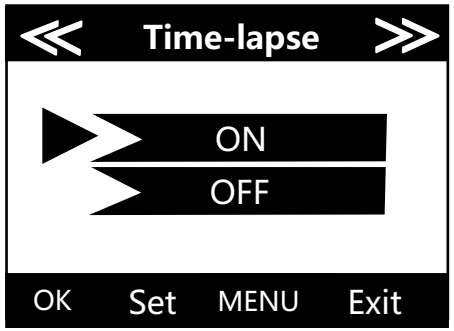
Clock		Press OK and use UP/DOWN keys (to change the setting) and LEFT/RIGHT keys (to move to the next field) to set the hour (24-hr format only, “00” =midnight, “12” =noon) and minute, then move to the next row to set the year, month and date accordingly. Once all settings are made, press OK to save.
Mode		Select photos or video mode. Camera means Photo mode, “Dual” = Camera + Video
Image Size		Select image resolution. Higher resolution produces better quality images but creates larger files that will occupy more space on the SD card.

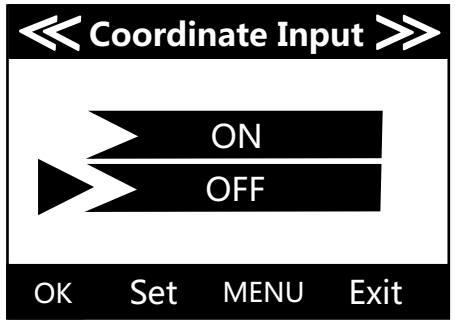
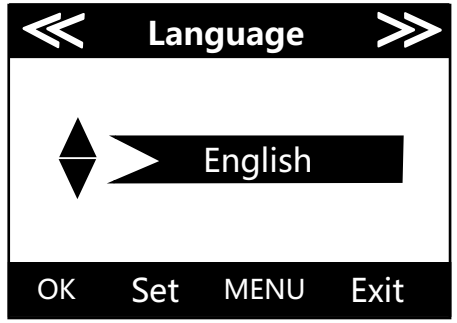
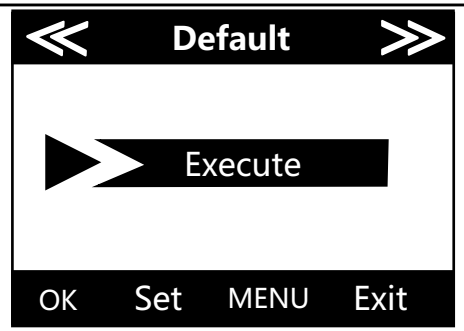
Settings

Capture Number		Selects how many photos are taken in sequence per trigger in Camera mode. This setting affects photos taken in Field Scan mode as well.
Camera Name		Allows the user to set a customised name for the camera. This is useful for identification purpose when multiple cameras are used at the same time since the camera will imprint its name on all photos (but not videos) it captures.
Interval		Selects the length of time that the camera will "wait" until it responds to any additional triggers from the PIR after an animal is first detected and remains within the sensor's range. During this interval, the camera will not capture photos/videos.

Settings

Sensor Level		Four options: Auto, Low, Normal, High. We recommend leaving on High, and changing if you get too many false triggers.
Flash Mode		Three options: Low, Fast Motion, Long Range. We recommend Fast Motion as default, but Long Range if you need to light a bigger area, and Low if you are closer to the subject.
Work period		Press OK on the On option and use UP/DOWN keys (to change the setting) and LEFT/RIGHT keys (to move to the next field) to set time. Once all settings are made, press OK to save. The camera will then only trigger during the set period.

Format		Deletes (erases) all files stored on a card to prepare it for reuse. Always format a card that has been previously used in other devices. Make sure you have downloaded and backed up all files you want to preserve first. Press OK to execute, press MENU (or select NO then press OK) to exit without formatting.
Time Stamp		Select “ON” if you want the infobar imprinted on every photo and video. Select “OFF” for no infobar.
Time-lapse		When activated, Time-lapse forces the camera to take photos or videos even when it is not triggered. This is useful for constant monitoring of an area or for reptile / amphibian monitoring. You can set start and stop times for two independent ‘blocks’ of time. The camera will still trigger independently if the PIR is activated. Note: two time blocks can not overlap – if set this way, the time-lapse will fail. For example: A 8:00-12:00 B 13:00-23:00 is ok. A 8:00-12:00 B 11:00-23:00 would fail.

Coordinate Input		This option allows user to input latitude and longitude coordinates for camera's location. This data will be embedded in photo files saved on the camera's SD card.
Language		Set your preferred language.
Default		Select "Execute" and press OK to restore all parameters to the original factory default settings.

Version		This shows firmware version being currently used in this camera.

Specification

Model Number	KW561
Max Pixels	30MP
Lens	lens: f=7.36mm F/NO:2.8 FOV=55°,HOV=42°
IR-Flash Range	48*940nm LEDS
Display Screen	2.4 inch HD Color Display
Image Size	30MP;16MP;5MP
Video Size	1920*1080; 1280*720 ; 640*480
PIR Sensitivity	PIR with 4 sensitivity levels:High/ Normal/ Low/Auto
Response Time	Picture trigger: < 0.25 s, Video trigger: <0.6s
Triggering Interval	1sec-60min programmable
Capture Number	1-9 programmable
Video Length	5-60sec. programmable
Power Supply	6×AA recommended；DC 12V
Operating Temperature	-20-60℃（Storage temperature:-30-70℃）
Operating Humidity	5%-90%
Waterproof	IP67

If you have any questions regarding your Ursus Trail Camera, get in touch with us by emailing **shop@naturespy.org**.

2 year limited warranty

Your NatureSpy product is warranted to be free of defects in materials and workmanship for two years from the date of purchase. In the event of a defect under this warranty, we will, at our option, repair or replace the product. To claim under this warranty, contact us using the email address above.

This warranty does not cover damages caused by misuse (including, but not limited to, water damage caused by submersion, unsuitable power supplies, battery leakage or improper storage) improper handling or installation (including, but not limited to, cracked or broken outer cases due to excessive impact, heat or mishandling), damage caused by wild animals or maintenance provided by someone other than a NatureSpy authorised service department.