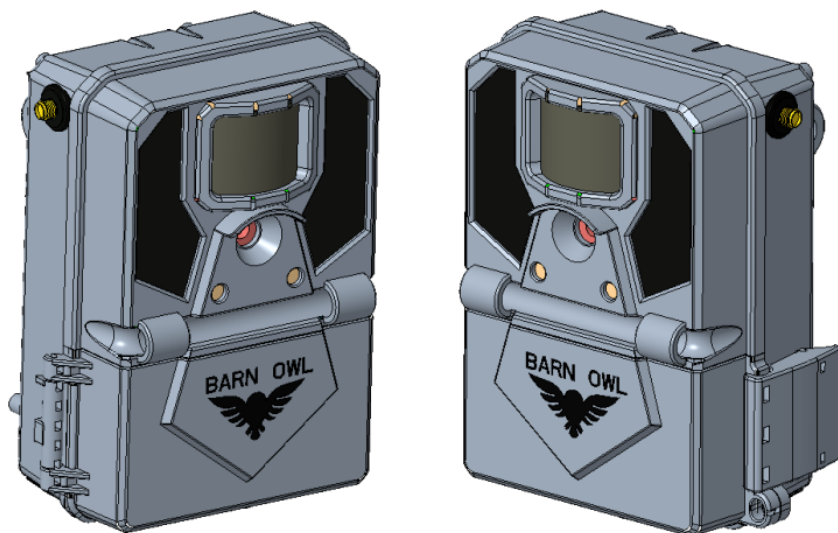


Highly Recommended by Outdoor Explorers - 4g cellular camera - BO897

Instruction Book

This cam is the best-selling scouting camera which is designed for activity and is resistant against water and snow. It is equipped with built-in infrared sensor, so that it can be triggered accurately by heat sources, then take high quality pictures or videos. Please refer to the notes below to ensure that you are completely satisfied with this product.



Contents

<u>Prepar Before Start Wireless Setting/Quick Start</u>	<u>2</u>
<u>Notes before use</u>	<u>3</u>
<u>View Drawings</u>	<u>4</u>
<u>Camera Overview</u>	<u>5</u>
<u>Standard Accessories</u>	<u>6</u>
<u>Power Supply</u>	<u>7</u>
<u>SD Card</u>	<u>7</u>
<u>Operational Modes</u>	<u>8</u>
<u>Settings</u>	<u>9-16</u>
<u>Software in APP</u>	<u>17-23</u>
<u>Mounting and Positioning</u>	<u>24</u>
<u>Specification</u>	<u>25</u>
<u>Warranty Card</u>	<u>26</u>

Prepare Before Start Wireless Setting

1. Pen and paper: record relevant information such as APN and ICCID.
2. Mobile phone: the operator's APN information should be checked in the mobile phone.
3. 4G SIM card、 large card frame、 card pin: check the ICCID number on the card and write it down, then install the SIM into the camera.
4. Email: for receiving "NETWORK" files.
5. Blank SD card: store "NETWORK" files.
6. Computer: it is used to edit the "NETWORK" text file and store it on the SD card.

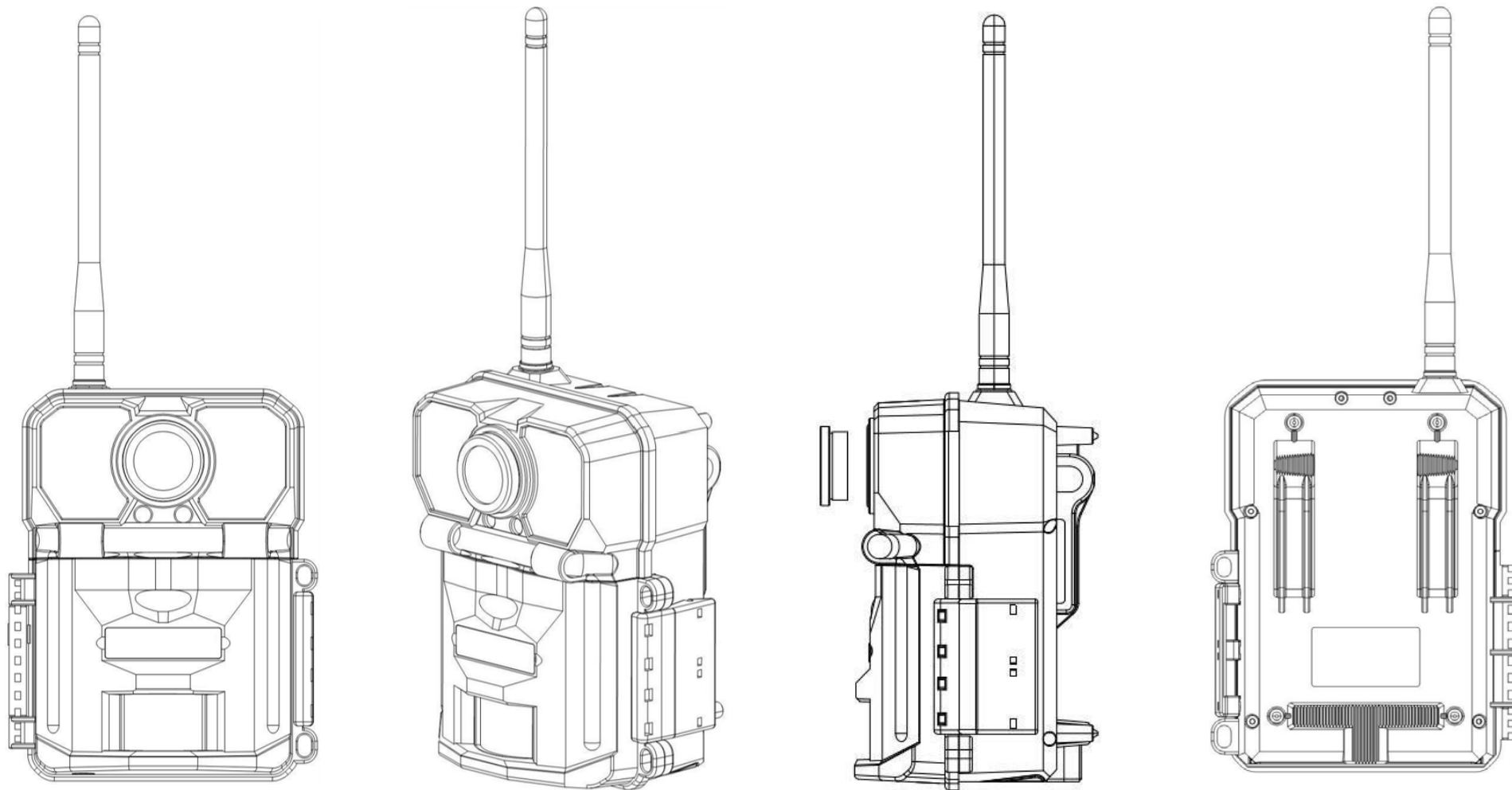
Quick Start

- ※ Move the latch and open the camera case
- ※ Load 12 lithium AA(non-rechargeable) or alkaline AA batteries
- ※ Set "NETWORK" via APP and copy it to SD card
- ※ Insert the SD card
- ※ Insert the SIM card
- ※ Switch to the SETUP Mode, wait about 1 Minute
- ※ Press " UP " key to select Camera or Video Mode
- ※ Press " MENU " key to setting camera function
- ※ Press " LEFT " key to take a photo and send it to your APP
- ※ Switch to the ON Mode
- ※ Close the case and position the camera for use

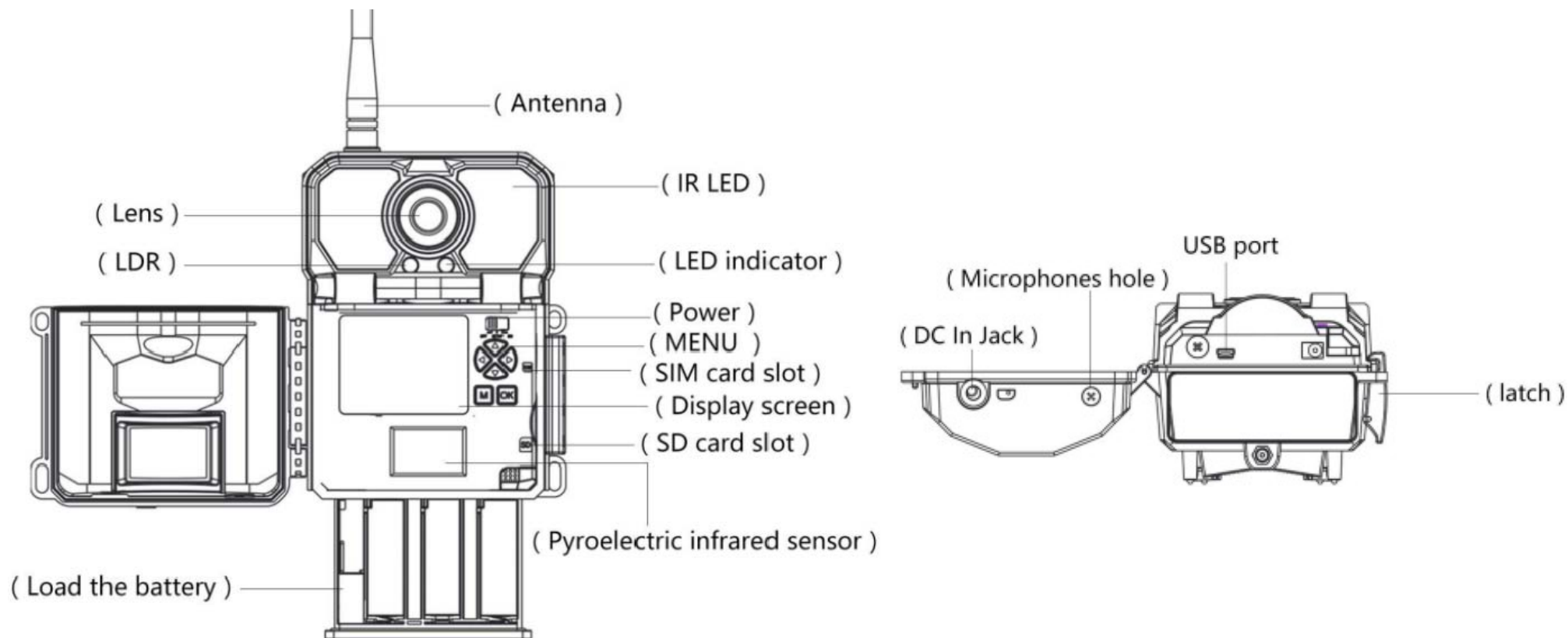
Notes Before Use

1. When setting camera parameters, please put camera in Setup mode.
2. Do not set the camera directly from ON to Setup.
3. To replace the battery, SD card, and SIM card, firstly turn camera to OFF mode.
4. Color of Indicator
 - 1) When camera is updating firmware, indicator light flashes green.
 - 2) The indicator light flashes red when it is turned on or ready for operation.
 - 3) low battery, the indicator light flashes blue.
 - 4) long standby time, the indicator flashes purple.
5. Batteries need to use dry batteries, do not use rechargeable batteries.
6. When the SD card is inserted into camera, make sure that the SD card is not in lock state.
7. When using an external power supply, make sure that voltage is 12V.
8. Please take out the battery to avoid leakage of the battery if camera is not used for a long time.
9. Camera can not be directly immersed in water, can not be placed in the environment of strong acid and alkali.
10. Don' t use your fingers to press the Fresnel lens.
11. Keep the lens and battery compartment clean.
12. Do not use sharp hard objects to scratch screen.

View Drawings



Camera Overview



Standard Accessories



1×Belt



1×USB



1×Case

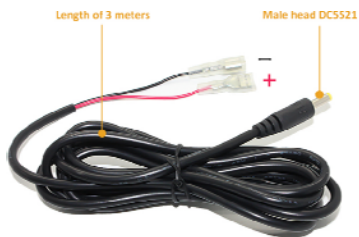


1×Manual

Other Accessories (not included)



Security Case



External battery
connection wire



Micro-Lens Wide-
angel Lens



5M Antenna



Cradle Head

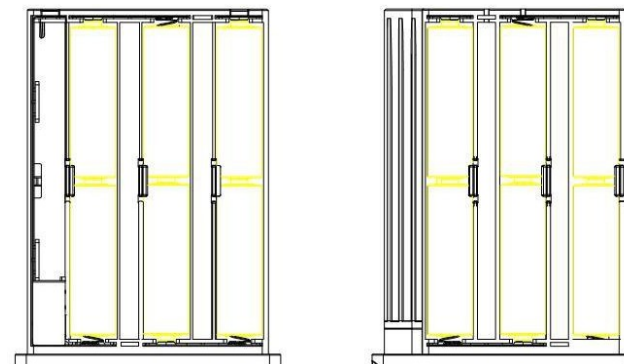


solar panel

Power Supply

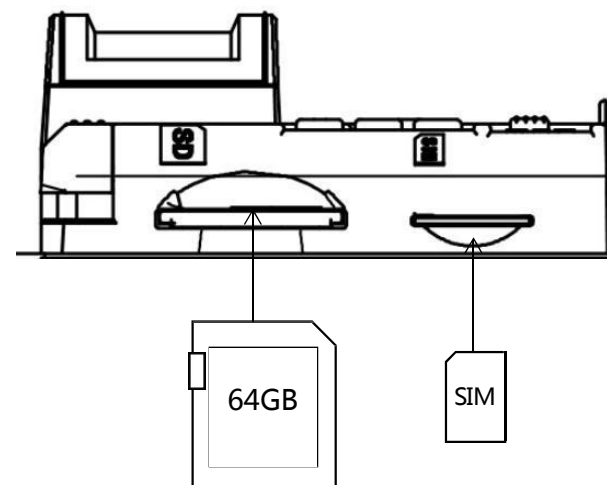
After opening the latch on the right side of the camera, you will see that it has 12 battery slots. For maximum battery life, we recommend using 12 lithium AA or alkaline AA batteries.

Please be sure to insert each battery with correct polarity (negative or "flat" end against the long spring of each battery slot).



SD Card / SIM Card

Insert the SD card and SIM card (Camera being under OFF mode) before beginning to operate the camera. SD card is supported up to maximum 64GB capacity.



Operational Modes

The cam has three basic operational modes: 「OFF」, 「ON」 and 「SETUP」

- 「OFF」 Mode

When cam in OFF mode, you can do the following:

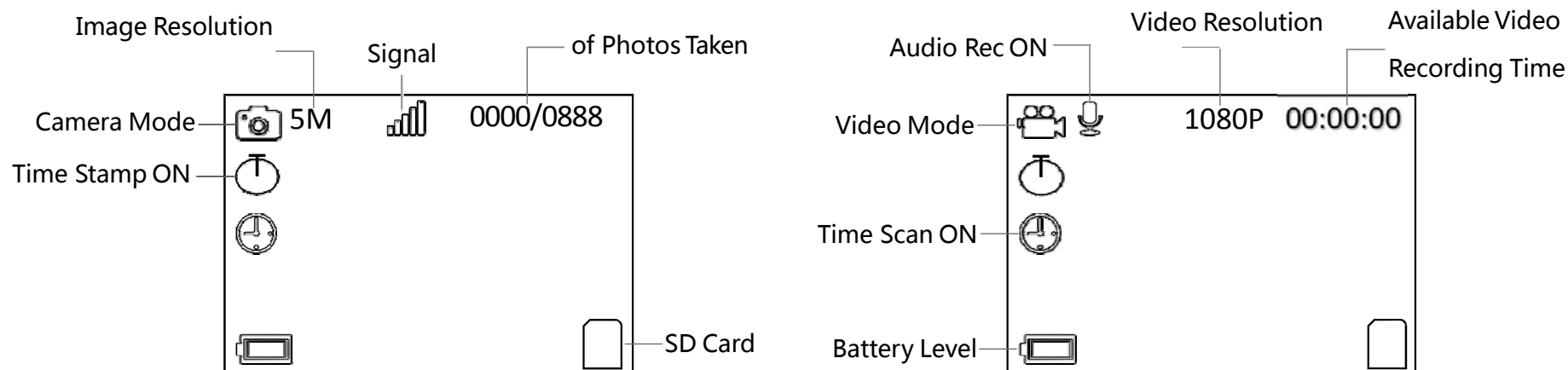
- replacing the SD card or batteries
- connecting cam with other device via USB port

- 「ON」 Mode

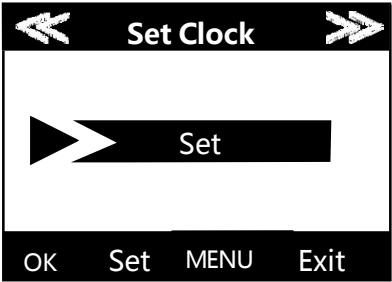
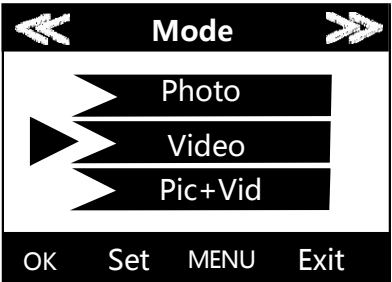
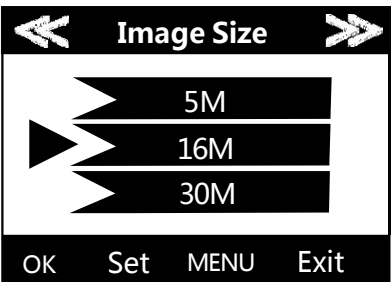
Once in ON mode no manual controls are needed or possible (the control keys have no effect). The cam will take photos or videos automatically (according to its current parameter settings) when it is triggered by the PIR sensor's detection of activity in the area it covers.

- 「SETUP」 Mode

In the SETUP mode you can check and change the settings of the cam with the help of built-in LCD. Moving the power switch to the SETUP position will turn on the LCD display and you will see an information screen.

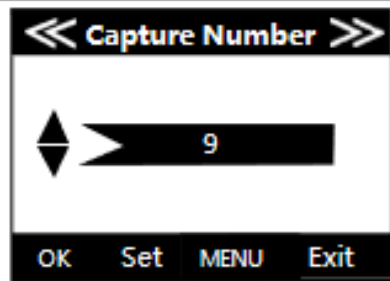


Settings

Set 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, and then (on the lower row),the year,month and date. Once all settings are made, press OK to save.
Mode		Selects whether still photos or video clips are captured when the camera is triggered. "Pic+Vid" =Phot+Video
Image Size		Selects resolution for still photos from 5 to 30 megapixels. Higher resolution produces better quality photos, but creates larger files that take up more of the SD card capacity.

Settings

Capture Number



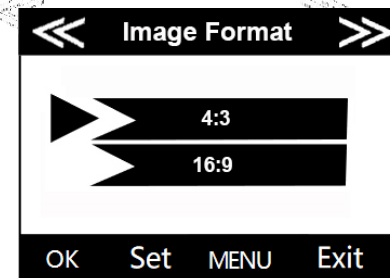
Selects how many photos are taken in sequence per trigger in Camera mode. This setting affects photos taken in Field Scan mode as well.

Image quality



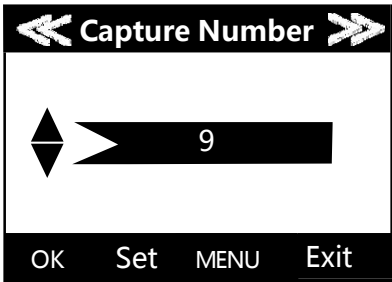
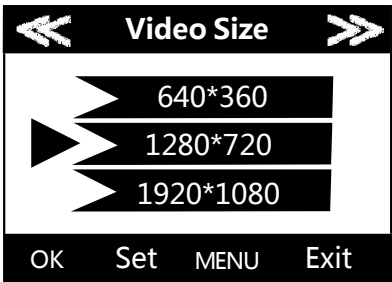
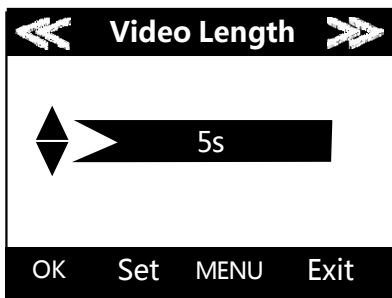
Selects Image quality

Image format

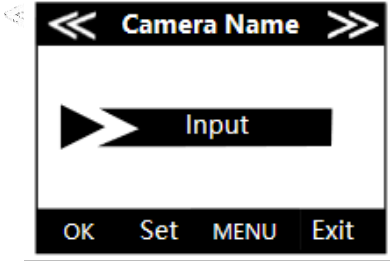
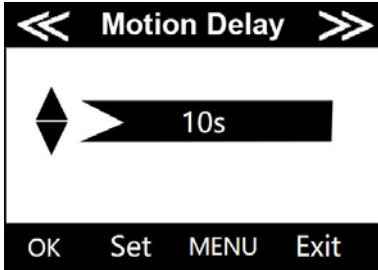
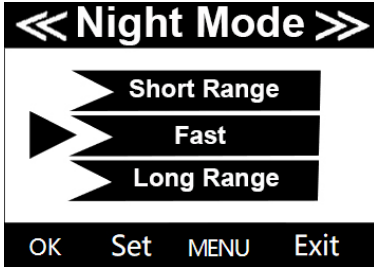


Selects Image Format Ratio. 4:3 is a standard format while 16:9 is considered widescreen format.

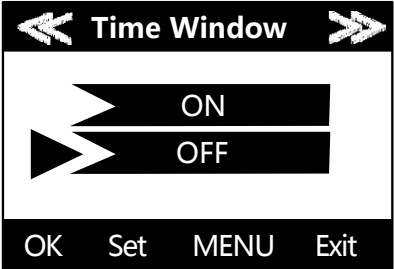
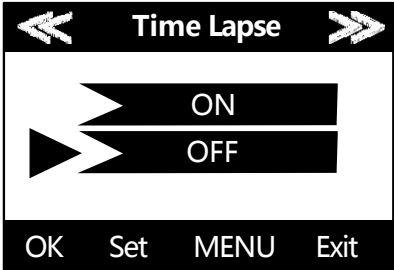
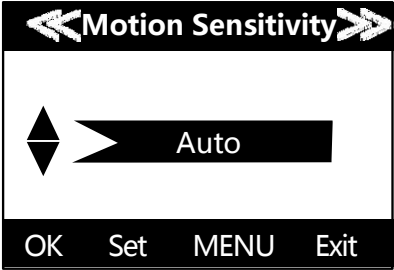
Settings

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.
Video Size		Selects video resolution (in pixels per frame). Higher resolution produces better quality videos, but creates larger files that take up more of the SD card capacity (fills up faster).
Video Length		Sets length per captured video clip. Settings begin with 10 second default when parameter is first selected. After going down to 5s, video length choice starts over at 60s.

Settings

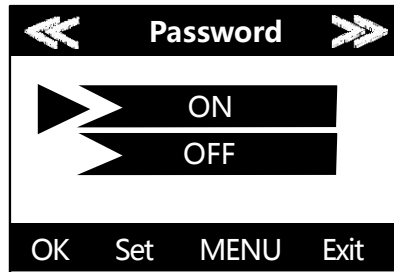
Camera Name		Allows the user to set a custom name for the camera. Useful for ID purposes when multiple cameras are setup, since each camera will imprint its name on all photos (but not videos) it captures.
MotionDelay		You can choose 1s~59 or 1m~60m. Selects the length of time that the camera will "wait" 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 period of time user set "ignore triggers" interval, the camera will not capture photos/videos. This prevents the card from filling up with too many redundant images.
Night Mode		

Settings

Time Window		Press OK 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. Only during the set work period camera will be triggered to take images/videos.
Time Lapse		Time Lapse recording mode on/off. When activated, Time Scan forces the camera to take photos or videos even when it is not triggered by an nearby live animal,useful for constant monitoring of an area that might be far away from the camera. The user can set start and stop times for up to two independent "blocks" of Time Scan recording,as well as the interval time between each photo/video. Interval: 1m~59m or 1h~6h
Motion Sensitivity		Four kinds of choice:Auto, Low, Normal, High. The default "Auto" setting will allow the camera to determine the best setting based on its current operating temperature. This is an ideal setting if the weather is expected to change significantly during the period the camera will be used. The Low setting is recommended in cold weather; the High setting is recommended in hot weather.

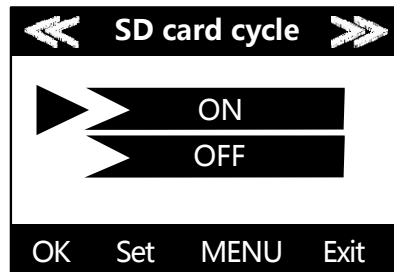
Settings

Password



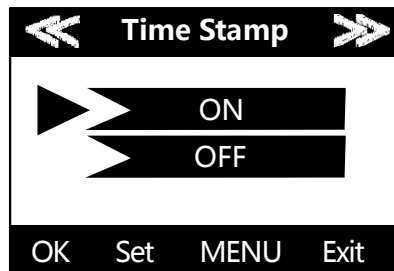
Select "ON" If you want to protect your camera with a password. Once password is set, whenever you turn on the camera, you will need to enter a four-digit password. Select "OFF" for no protect with a password.(Please remember your password.) Once all settings are made, press OK to save.

SD card cycle



When the SD card memory is full, it will automatically make your new file overwrite the previous files. Please download the picture in time and choose carefully.

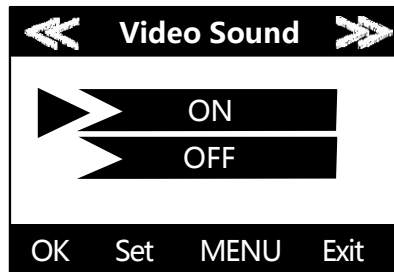
Time Stamp
(only affects
photos)



Select "ON" if you want the date & time imprinted on every photo, select "OFF" for no imprint.

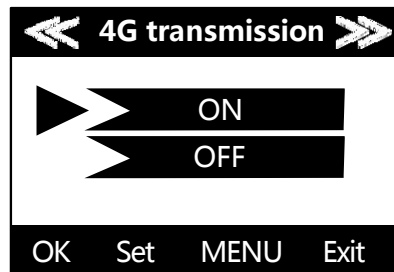
Settings

Video Sound



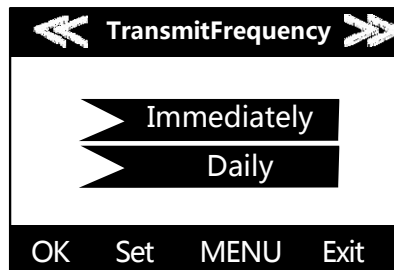
Select "On" to record audio along with the video when the camera is set to video mode (saved file sizes will be slightly larger). Press OK to save.

4G Transmission



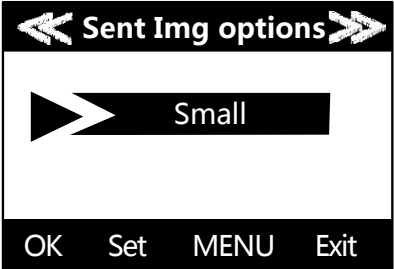
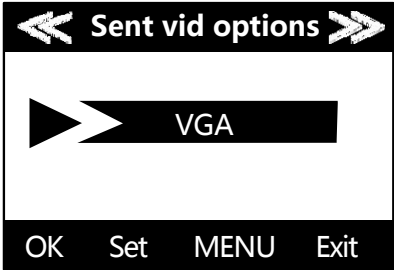
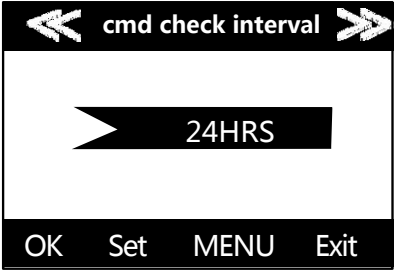
This choice is about wireless function ON/OFF. If you want to send photo to you mobile phone's APP or email, please turn it on.

Transmit Frequency

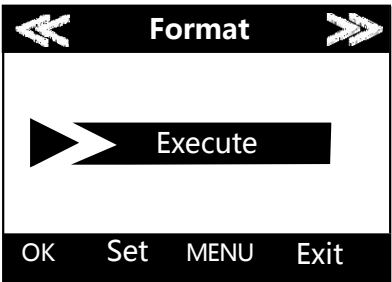
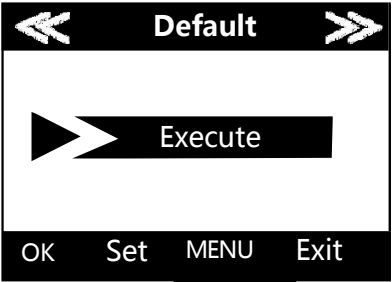


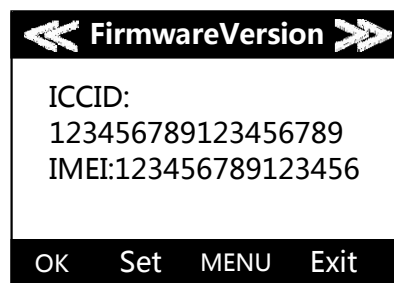
This choice is about how frequently you would like the camera to send images to you. To save battery life, you may choose Weekly.

Settings

Sent Img Options		Can choose sent image size here. Including small, medium, large and extra large options.
Sent vid Options		Can choose sent video size here. Including OFF, VGA, first frame, 5S, 10s and 20s.
cmd check interval		Choose commands check interval. 24hrs, 12hrs, 4hrs, 2hrs, 1hrs, 30min and instant.

Settings

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. Press OK to execute, press MENU (or select NO then press OK) to exit without formatting.
Default		Select "Execute" and press OK to restore all parameters to the original factory default settings.



This Page shows Modem, Sim card , and camera firmware information.

MOUNTING and POSITIONING

Mounting

Optimum height: 5-6.5 inch (1.5-2 m)

Optimum distance: 60inch (9m) - 10inch (3m)

There are two ways to mount cam: using the provided adjustable web belt, or the tripod socket.

- Using the adjustable web belt: Push one end of the belt through the two brackets on the back of cam. Thread the end of the strap through the buckle. Fasten the belt securely around the tree trunk by pulling the end of the strap firmly so there is no slack left.
- Using the tripod socket:The camera is equipped with a socket at the bottom end.

Sensing Angle and Distance Test

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

- Switch cam to SETUP mode.
- Make movements in front of the camera at several positions within the area. Try different distances and angles from camera.
- If indicator LED light flash, it indicates that position can be sensed.

The results of your testing will help you find the best place where mounting and aiming the cam. The height from the ground for placing the device should vary with animal size appropriately. In general, 3 to 6 feet is preferred. You can avoid potential false triggers due to temperature and motion disturbances in front of the camera by not aiming it at a heat source or nearby tree branches or brush (especially on windy days).

Specification

Lens	f=7.36mm F/NO:2.8 FOV=55°; Auto IR-Cut-Remove (at night); Support wide lens and micro lens: 450mm
Trigger Time	<0.25s
Mode	Camera; Video; Dual
Image Size	5MP;16MP;30MP
Capture Number	1-9
Video Size	640*360; 1280*720;1920*1080
Video Length	5s-60s
Camera Name	Input
Interval	1s-60m
Coordinate Input	Set it in mobile's APP
Time Stamp	On
Work Period Set	ON; OFF
Timed Scan	2X;Interval: 1m~59m or 1h~6h
Video Sound	On
Format	Execute
Default Set	Execute
Language	English

Warranty Card

Warranty

Model _____

Serial No. _____

Date of Purchase _____

Your Name _____

Address _____

Tel No. _____

Warranty State

During warranty, hardware failure occurring, which caused by product itself, we will provide free maintenance service for the customer. Free warranty is for the first year. If there is a need for repair, you should offer this warranty card, please take care of this card.

FCC warning

FCC Radiation Exposure Statement:

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 & your body.

FCC Warning

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.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.