

# TRAIL CAMERA

HC810A



## USER MANUAL



1080P full  
hd

**0.3s**

Fast trigger  
time

**120°**

Detection angle



Rugged  
waterproof

# PACKING INCLUDES



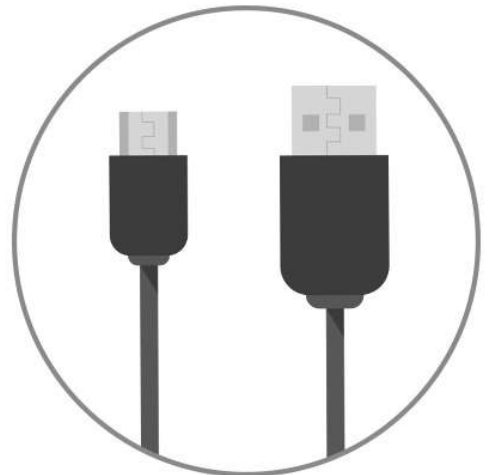
◀ **Camera**

**Manual** ▶



◀ **Mounting Strap**

**USB Cable** ▶



# SPECIFICATIONS

## Photo recording

Photo resolution	16 MP
File format	JPG
Time lapse mode	5min/30min/60min
Multi-shot mode	Up to 9 photos per detection
Stamp ( <b>photos and video</b> )	Date, time, temperature (°C/°F) and moon phase
Capture mode	Color by day, black and white by night

## Video recording

Video resolution	1920 x 1080/30fps (FHD)
File format	AVI/H.264
Sequence length	Adjustable from 10 to 90 s
Capture mode	Color by day, black and white by night

## Audio

Sound recording	N/A
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(automatically recorded in video mode)

## Memory storage

Support	<ul style="list-style-type: none"><li>•Internal memory: none</li><li>•External memory : SD/SDHC card (up to 32 GB)</li></ul>
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## Viewing

Built-in screen TFT 2"

## Power source

Alkaline or lithium batteries 8 x AA

Lithium battery pack Rechargeable battery pack(LIT-800)

External (3.5X1.5mm Jack) DC6V 1000mA ,(6V~12V)

## Detection system

Motion sensor 3xPIR

Detection angle 120°

Detection range Adjustable from 1 to 80 ft

Trigger speed 0.3 sec

Delay between each detection Adjustable from Instant to 30 min

## Night time illumination system

LEDs 44 LEDs

Flash range < 90 ft

Exposure Automatic infrared level adjustment

## Optical field of view

120°

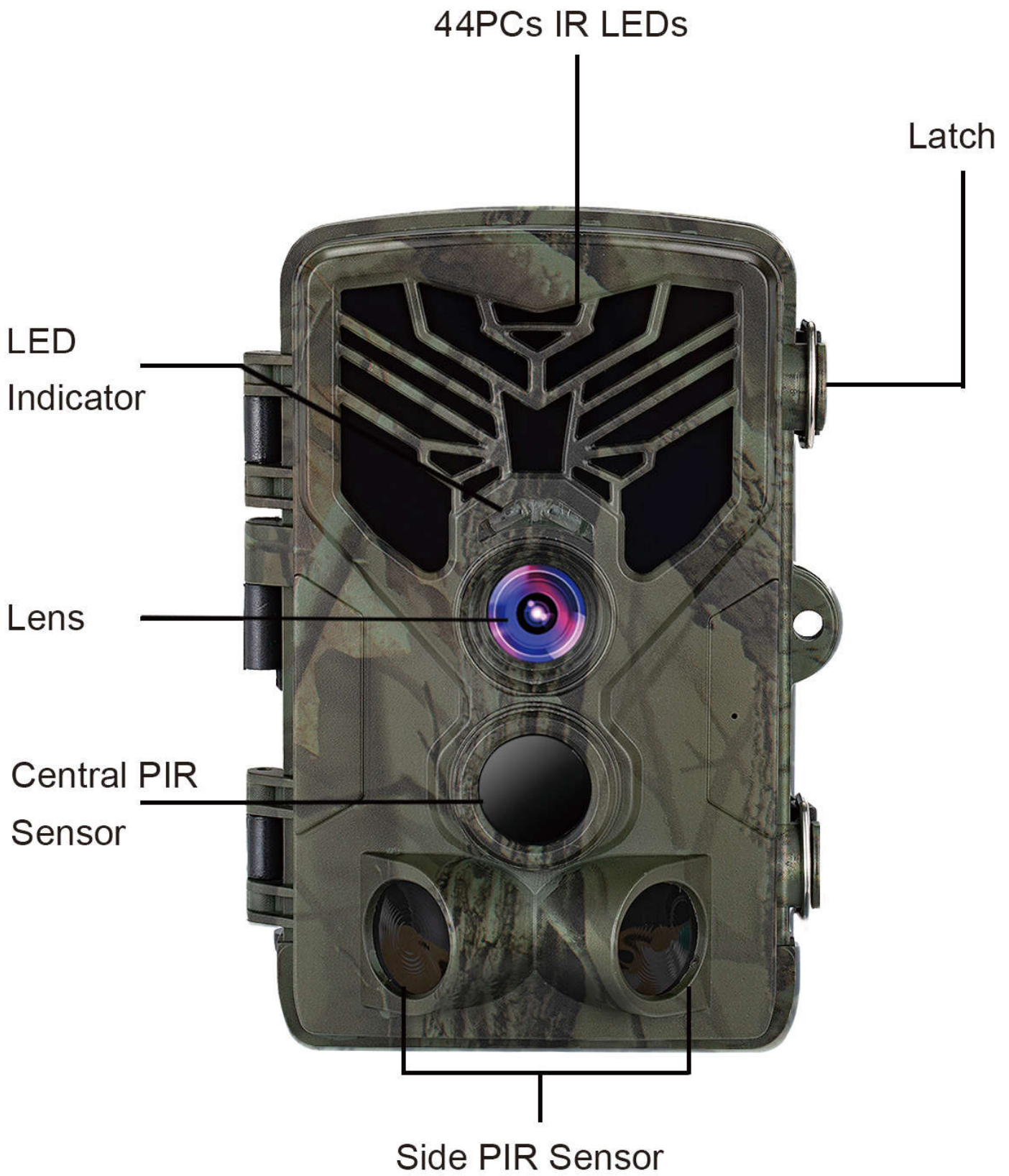
## Dimensions

135mm X 90 mm X 76mm

## Recommendations

Operating temperature (-30 °C to + 50 °C) (-22 °F to +122 °F)

Storage temperature (-40 °C to + 60 °C) (-40 °F to +140 °F)



Color Display Screen

8AA Batteries Depot

Setup Buttons



MENU

REPLAY

UP

RIGHT

SHOT

OK

MICRO SD CARD SLOT

USB

IP TEST

Mode Switch

USB Port

Micro SD Card Slot



Stand Knob Port

External Power Port

# INSTALLING BATTERIES



## IF USING AA - ALKALINE BATTERIES

1. Pull the gap lightly and open battery compartment.

2. Reference the battery icons located on the inside of the battery compartment. Insert the batteries according to the positive and negative battery icons.

3. Close the battery compartment to resist water and dust.



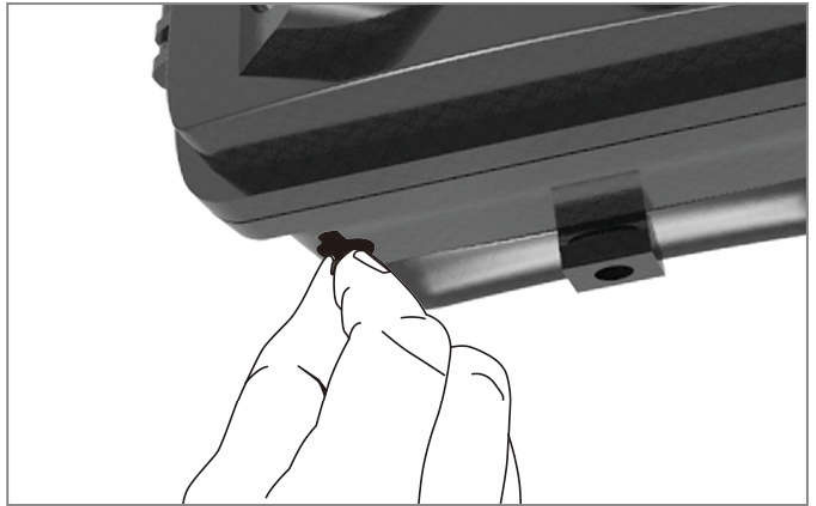
NOTE: Installing any of the 8-AA batteries in the wrong direction may cause the batteries to leak acid and could possibly explode, causing camera failure and damage to the battery compartment.



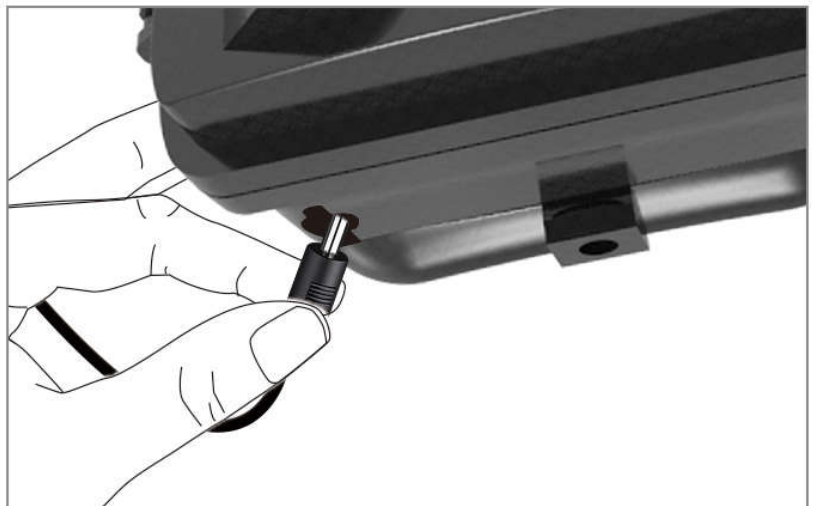
# BATTERIES CONT.....

## IF USING 6V DC POWER SOURCE

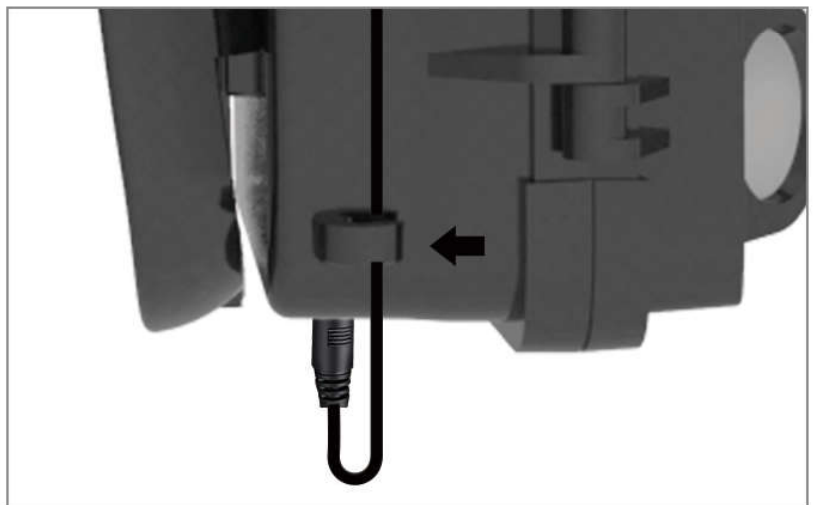
1. Remove the rubber port cap at the bottom of the camera . Using a universal 6V DC cord, plug in to the bottom port option.



2. Run the cord to the side of the camera where there is a hook provided behind the hinge of the camera door. This will support the power cord and take pressure off of the connection point



3. When not in use, replace the rubber port cap at the bottom of the camera to protect the 6V DC universal plug-in port.





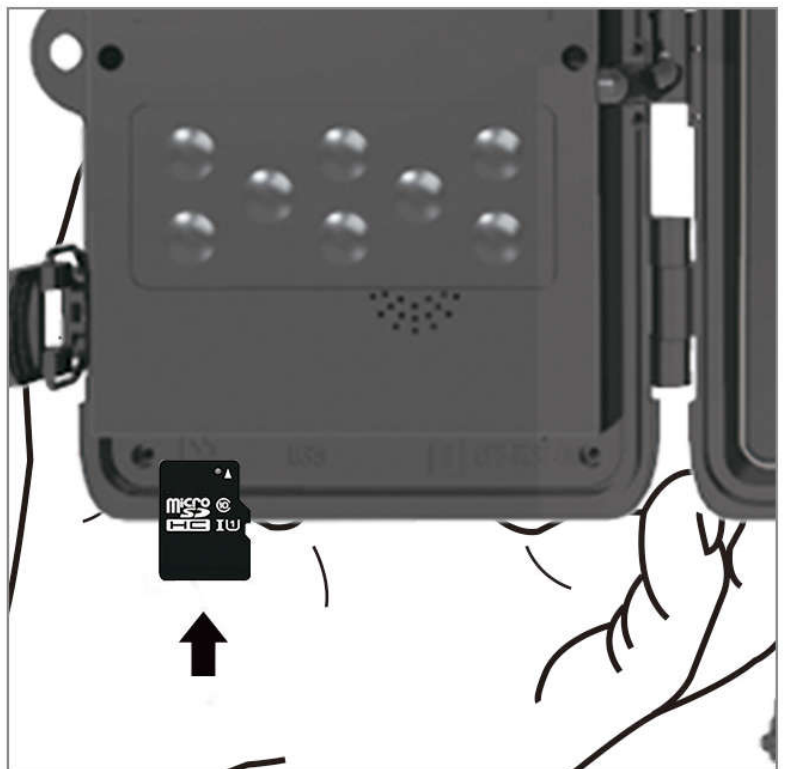
# MEMORY CARD INSTALL

## INSTALL MICRO-SD CARD

1. Insert the Micro SD card with the contacts facing away. The Micro SD card should slide in freely with little resistance. Continue pressing the card inward until you hear a click. This means the Micro SD card is locked in place and ready for use.



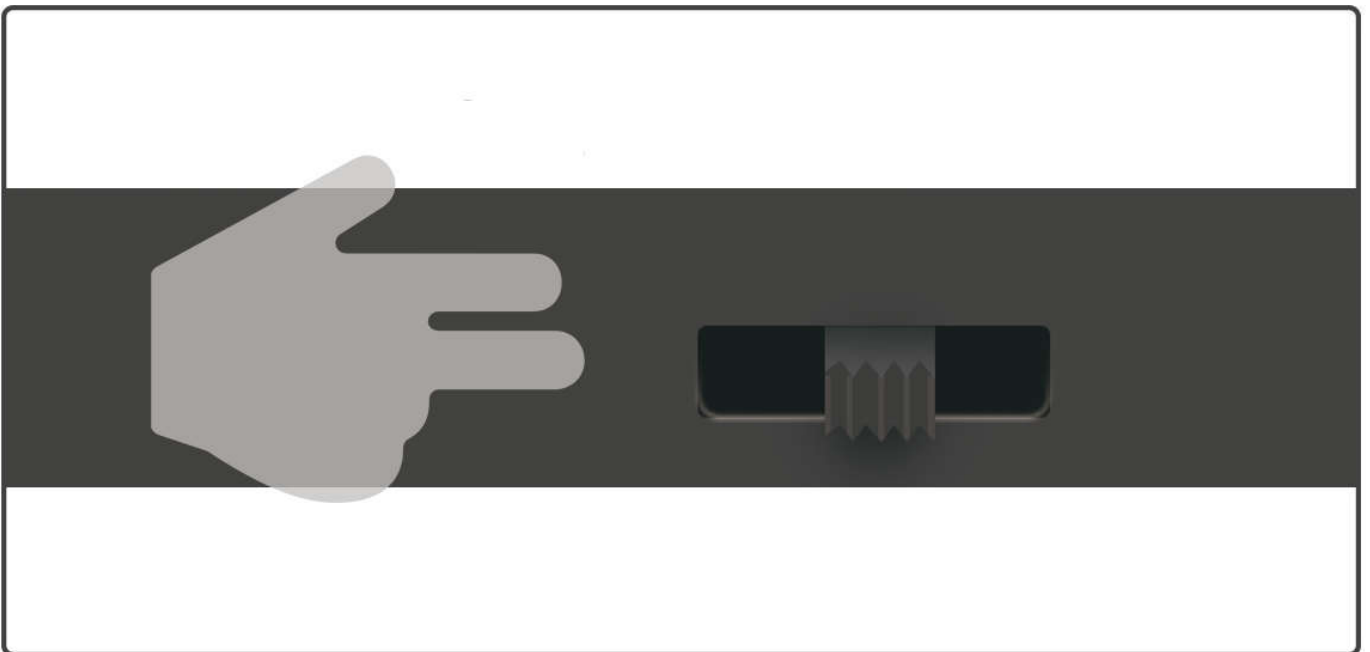
2. To remove Micro SD card, press the card inwards to release.



# QUICK START

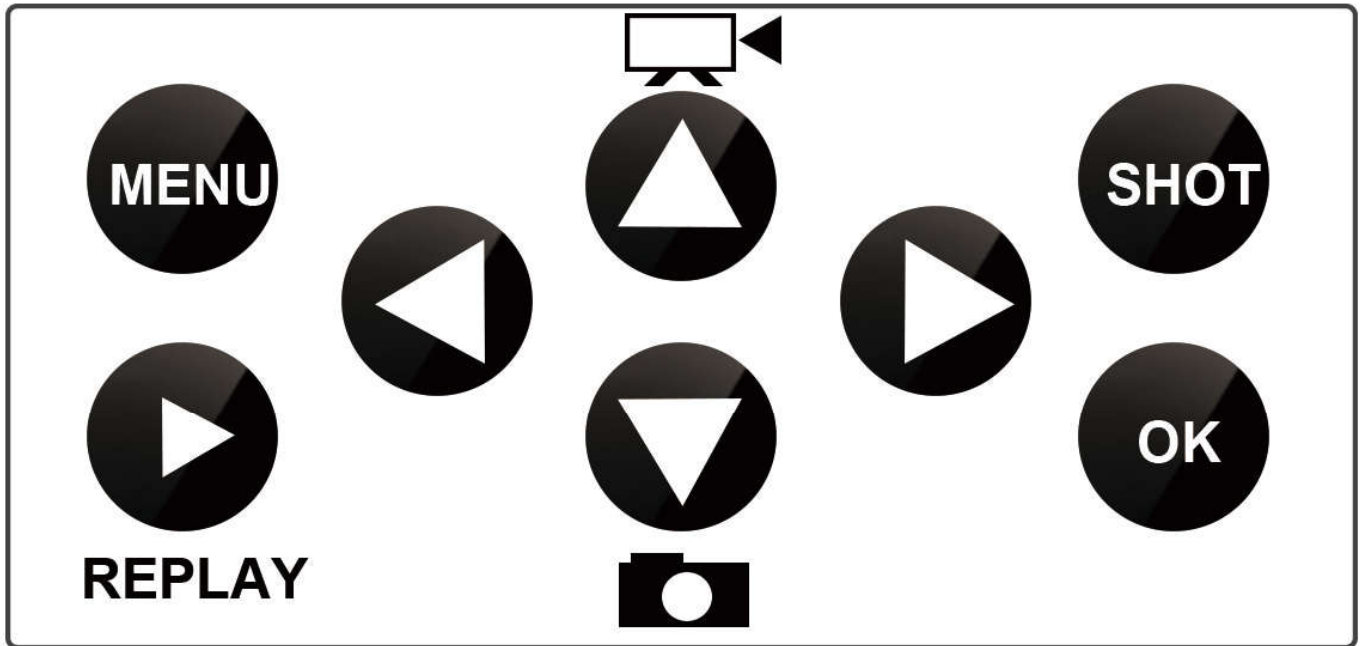
## Enter to TEST mode

Slide the mode switch from OFF to TEST position to activate the camera and view the user setup screen.




There is a control panel with 8 keys when you open the camera.


# OPERATING BUTTONS



**MENU:** Open the Settings menu using the MENU button

**REPLAY:** Press this button to start the replay mode

 : Change to the manual recording mode for video recordings

 : Change to the manual recording mode for taking photos

**SHOT:** Manually take a video or photo depending on the set recording mode. Video recordings are ended by pressing the SHOT button

**ok, ◀, ▶** : No function(in recording mode)

Generally, it is recommended to place the camera at the height of 3 to 6 feet (1 to 2 meters) to the ground.

## Enter to ON Mode

After you complete all the setting, slide power switch to ON to enter to auto working mode. The motion indicator will flash red for about 5 seconds and the camera starts working after that. It will immediately take pictures or record videos when person or animal enters into the area of the PIR sensor.

- **Cautions:** To avoid potential false triggers due to temperature and motion disturbances, please do not aim the camera at a heat source (e.g.: the sun, heated stone or metal) or nearby tree branches and twigs. The ideal direction to aim at is the north and the open place without heat source. Also, remove any twigs close to the front of the camera.

# Advanced Setting

## Menu list



**Camera**



Resolution

Sequence

ISO

Delay

Camera ID



**Video**



Resolution

Video Length

Record Audio



**Setup**



Mode

Language

Timelapse

TV mode

Date/Time

Timer

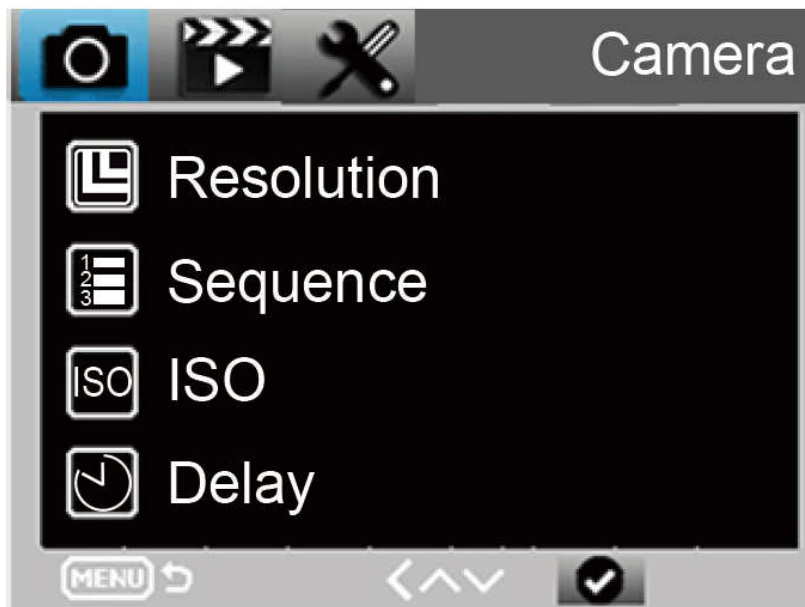
Password

Format

Default Setting

Version

## Camera Menu setting



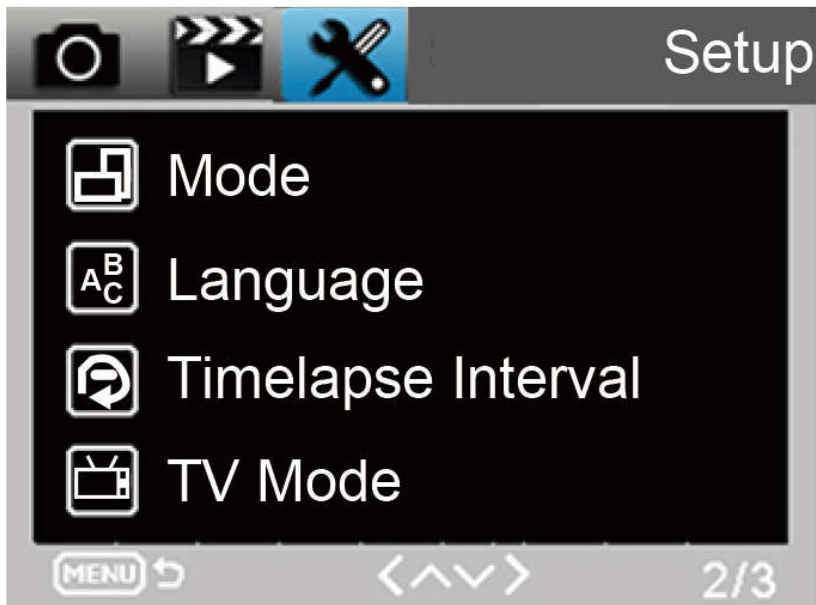
Camera	Sub menu	Description
<b>Resolution</b>	16MP, 12MP, 8MP	Photo Size
<b>Sequence</b>	1/3/6/9	Number of photos taken every time
<b>ISO</b>	Auto, 100, 200, 400	The camera exposure level
<b>Delay</b>	1/5/10/30 sec/min	Waiting time from the last taking
<b>Camera ID</b>	0-0-0 0-0-0	Camera ID

**Video Menu setting**



<b>Video</b>	<b>Sub menu</b>	<b>Description</b>
<b>Resolution</b>	1080P, 720P, WVGA, VGA	Video size
<b>Video Length</b>	10S, 30S, 60S, 90S	The time length of video
<b>Record Audio</b>	On, Off	If On, Video sound is recorded

**Setup Menu**



<b>Setup</b>	<b>Sub menu</b>	<b>Description</b>
<b>Mode</b>	Camera, video, camera& video, Timelapse	Taking picture, video, picture and video, taking picture regular
<b>Language</b>	English, Francais, Deutsch and so on	Camera Menu language
<b>Timelapse interval</b>	5/30/60 Min	Taking picture or video every 5/30/60 minutes constantly
<b>TV Mode</b>	NTSC, PAL	TV play mode



<b>Setup</b>	<b>Sub menu</b>	<b>Description</b>
<b>Date/Time</b>	2018-09-03 16:37:25	Year-Month-Date Hour: Minute:Second
<b>Timer</b>	ON, OFF	If On, the camera only works in the period
<b>Password</b>	****	4 digital numbers(1314 Universal password)
<b>Format</b>	SD Card	All files of memory card will be deleted
<b>Default Setting</b>	return menu setting to defaults	Cancel/OK
<b>Version</b>	03/09/2018 16:37:25	Camera version

## Camera to ON Mode

When you complete all the setting, slide switch to “ON” mode, after Red flash for 5 seconds, then the camera will start to work.

- **Cautions:** camera display and control panel will be useless when camera at “ON” mode, you need to slide switch back to “TEST” mode to preview the pics.

# TROUBLE SHOOTING

## Camera Doesn't Capture Subject of Interest

- Check the PIR sensitivity. For warm environmental conditions, set the Sensor Level to “Low” and for cold weather use, set the sensor for “High”.
- Try to set your camera up in an area where no heat resources are in the camera's field of view.
- In some cases, set the camera near to water will make the camera take images with no subject in them.
- Try to aim the camera over ground.
- Try to set camera on stable and immovable objects, i.e.: large trees.

- At night, motion detector may detect beyond range of the IR illumination, reduce distance setting by adjusting sensor sensitivity.
- Rising sun or sunset can trigger sensor. Camera should be reoriented.
- If person/animal moves quickly, it may move out of the camera's field of view before photo is taken. Move camera further back or redirect camera.

### **Camera Stop Taking Images**

- Please make sure that the memory card has enough memory storage. If the card is full, camera will stop taking images.
- Check batteries to make sure that alkaline, NIMH or lithium AA batteries left power is enough for camera to work
- Make sure that the camera power switch is at the "On" position and not at the "Off" or "Test" modes.
- Please format the memory card when you first time to use it or change to use another memory card

## **Night Vision Flash Range Doesn't Meet Expectation**

- 4pcs AA batteries is not able to support camera night vision ability, please install 8 pcs AA batteries for better battery life
- make sure that batteries are fully charged or left power is enough.
- High-quality 1.5V NIMH or Lithium rechargeable AA batteries can offer much better Infra flash range than alkaline batteries.
- To ensure accuracy and quality of night image, please try to mount camera on dark environment without obvious light sources.
- To ensure accuracy and quality of night time image, please mount camera to dark environment without any obvious light sources;
- Certain surroundings (like trees, walls, ground, etc.) within flash range can get you better night time images; please do not aim camera to total open field where there is nothing within IR flash range to reflect flash back, it's like shinning a flashlight into sky in night, you just can't see anything, same does camera.

# WARRANTY

With great pride and full confidence in products, we always keep our words which are given to our customers as specified warranty terms and services below. Based on a strict QC system, we initially offer all our customers one-year long time limited warranty.

Our products are warranted against defects in materials and workmanship for a period of one year from the date of original purchase. If a defect exists, we will, at our option and to extent permitted by law will

- (1) repair the product at no charge using new or refurbished parts;
- (2) exchange the product with a functionally equivalent product that is new or refurbished.

This warranty excludes damage from abuse, accident, modifications or others that are not defects in materials and workmanship. This warranty only covers failures due to defects in materials or workmanship under normal usage. To obtain warranty service, please contact us to determine the nature of problem before return the product under this warranty (with a written description of the problem and print samples) for repairing or exchanging.