

User Manual

HT-001B



1. Introduction

Thank you for choosing HT-001B scouting camera. which is totally R&D by our diligent and smart engineers based on feedbacks and requirements from customers globally, with her highly sensitive Passive Infra-Red (PIR) sensor, HT-001B can captures 12MP pictures & 1080P HD video automatically, please read the user's manual in details before you start the operation.

1.1 Application

This digital camera can be applied to **Hunting, Farm burglar, Wildlife Monitoring and Home Security** etc., with its stealth appearance and mini shape. It is easy to deploy but hard to discover.



1.2 Main Features

- ▶ 12MP images, 1080p FHD videos.
- ▶ 90-degree FOV lens, 120-degree detection angle.
- ▶ 1.1second fast trigger time, easier to capture every amazing moment.
- ▶ 3 working modes to choose: Camera, Video, Camera&Video.

- ▶ 30pcs infra LEDs, provide up to 20 meters/65 ft night vision range.
- ▶ Tough and water-resistant body design.
- ▶ Low power consumption, extremely long-time standby life (up to 4~6 months by 4X AA batteries.)
- ▶ Date, Time, Temperature and Moon phase stamped on the bottom of pictures and Videos.

1.3 Power Supply

HT-001B need 4X AA alkaline batteries, or Lithium rechargeable batteries.

- ▶ Batteries should be inserted as indicated inside of battery case, upside down batteries electrode may cause device malfunction.
- ▶ Don't mix batteries types, Different batteries used in camera may cause permanent damage which also violates warranty policy.
- ▶ If you are not using the camera for an extended period of time, it is highly recommended to remove the batteries from camera to avoid possible acid leak that may damage the camera and void the warranty.
- ▶ Due to different settings, objects activities within camera detection zone, different brands and quality of batteries, and working environment, we are not able to list out exact number of photos or videos that camera can take with 4X AA alkaline batteries, better performance can be given by 4 AA rechargeable Lithium batteries.

To bring you better experience, this camera is able to work with most standard Lithium battery built-in solar panel (solar panel can't charge the rechargeable batteries of camera).

1.4 Memory Card

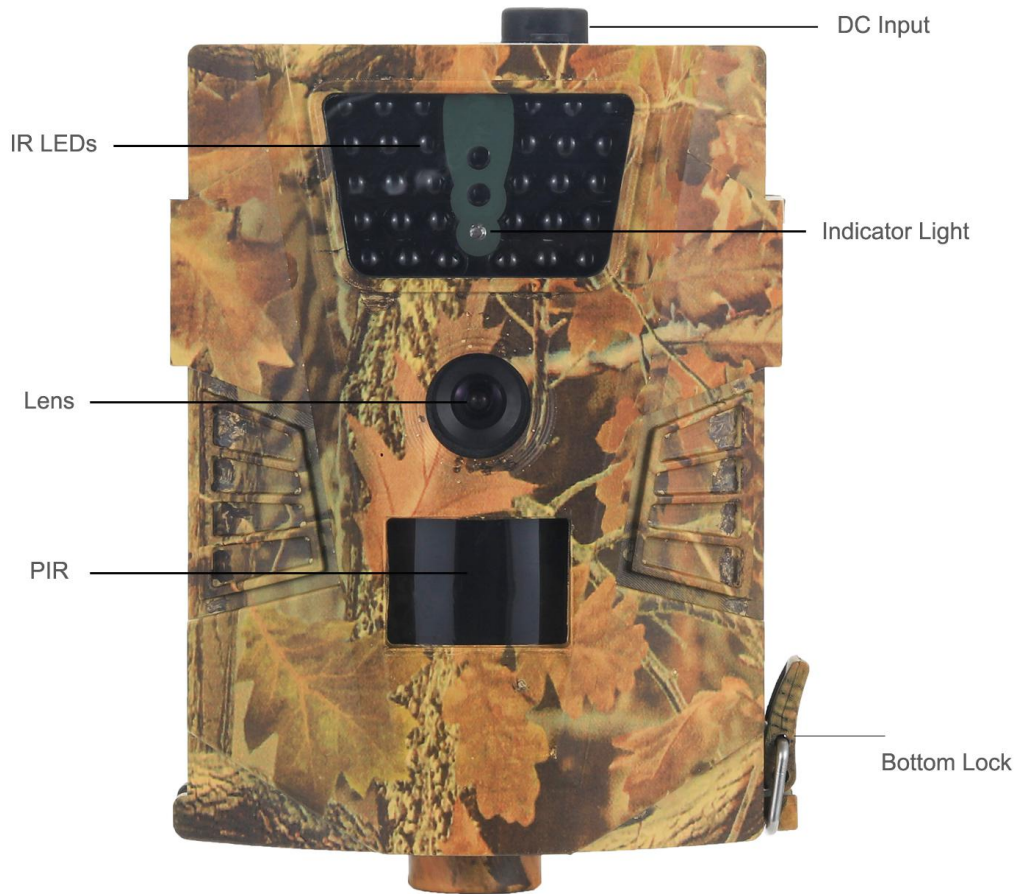
This camera's memory card slot supports Max 32GB storage capacity.

Before you insert or remove the memory card, the camera power switch must be turned to "OFF". Failing to do so may causes loss of files or damage the pictures that already recorded in the memory card,

- ▶ The camera has not built-in memory, it only works if a memory card is inserted. Before memory card inserted, please format the memory card to improve the battery life and shutter speed.
- ▶ The camera max memory cards capacity is 32 GB, 64GB or higher memory card can't be recognized.
- ▶ To avoid malfunctions, keep the memory card away from moisture and avoid strong vibration, dust, heat sources and direct sunlight.
- ▶ After you transport pics or video, wait until the memory card has reached ambient temperature before you use it for the first time.
- ▶ Major fluctuations in temperature or humidity can lead to condensation, which could cause an electrical short-circuit.
- ▶ To insert a memory card into the memory card slot of the device, push it into the slot until it clicks into place.
- ▶ To remove the memory card from the memory card slot of the device, press the protruding edge of the memory card in a little way until it pops out, then remove the card.

2. Whole View and Details of Camera

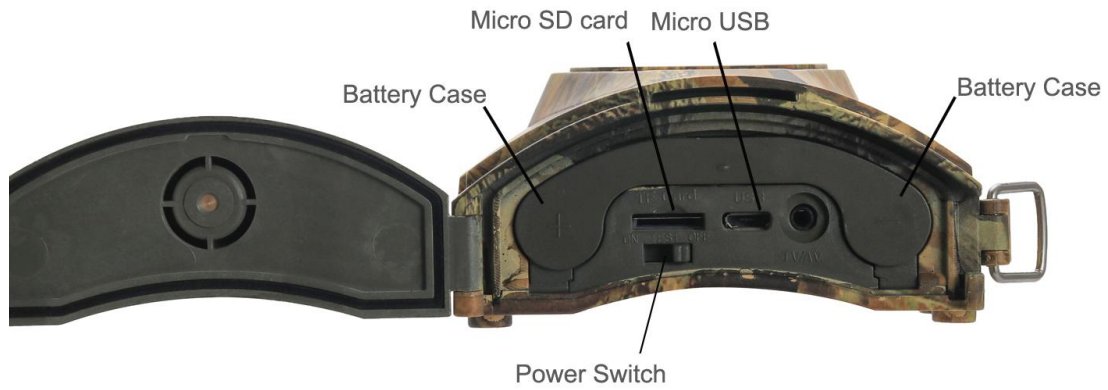
2.1 Front View of Camera



2.2 Back View of Camera



2.3 Bottom View of Camera



3. Operation

3.1 Load Batteries



4 X AA Batteries

3.2 How to set camera

When the camera switch slide to TEST mode, there will be a system config file **syscfg.dat** created automatically, you can open it by .TXT and set camera by changing last number to 1,2 or 3 as below:

```
[CFG]
UPDATA=0
MODE=3
PICTURE_RESOLUTION=1
STILL_SHOT_NUM=1
VIDEO_RESOLUTION=1
RECORDING_TIME=1
```

PIR_DISTANCE=2
RESPOND_INTERVAL=1
AUDIO=0
DATETIME_FORMAT=1
DATETIME=2017/01/01 00:01:53
CAM_NAME=Name

Command Descriptions:

UPDATA=0 // System update enable or disable; value could be 0 or 1, 1 for enable, 0 for disable, must change the value to 1 before update parameters, when system update finished this value will automatic change to 0.

MODE=3 // Setting Camera mode, value could be 1 or 2 or 3; 1 for take pictures only, 2 for recording videos, 3 for capture pictures and recording videos together, the default value is 3

PICTURE_RESOLUTION=1 // Setting picture resolution: value could be 1 or 2 or 3, 1 for 12 mega pixels, 2 for 8 mega pixels, 3 for 5 mega pixels, the default value is 1

STILL_SHOT_NUM=1 // Setting capture picture numeric, value could be 1 or 2 or 3 or 4, 1 for one picture, 2 for three pictures, 3 for six pictures, 4 for nine pictures- the default value is 1

VIDEO_RESOLUTION=1 // Setting record video resolution: value could be 1 or 2 or 3, 3 for VGA, 2 for 720P, 1 for 1080P - the default value is 1

RECORDING_TIME=1 // Setting video recording time, value could be 1 or 2 or 3 or 4, 1 for 10 seconds, 2 for 30 seconds, 3 for 60 seconds, 4 for 90 seconds, the default value is 1

PIR_DISTANCE=2 // Setting motion sensor detect range, value could be 1, 2 or 3, 1 for 5~7 meters, 2 for 8~10 meters, 3 for 11~13 meters, the default value is 2

RESPOND_INTERVAL=1 // Setting motion sensor response time, value could be 1, 2 or 3 or 4 or 5 or 6 or 7 or 8, 1 for 1 seconds, 2 for 5 seconds, 3 for 10 seconds, 4 for 30 seconds, 5 for 1 Minute, 6 for 5 Minutes, 7 for 10 Minutes, 8 for 30 Minutes, the default value is 1.

AUDIO=0 // Enable or Disable microphone, value could be 1 or 0, setting it to 0 will disable microphone, the default value is 1

DATETIME_FORMAT=1 // Setting data 3rd time format; value could be 1, 2 or 3, 1 for Year/Month/Date, 2 for Date/Month/Year, 3 for Month/Date/Year, the default value is 1

DATETIME=2017/06/22 13:27:52 // Setting the data and time, format: "Year. Month. Day. Hours: minutes: seconds, manually edit the time/date to be correct

CAM_NAME=Name // Setting camera name, could be any numerical or words less than 6 characters. example: CAM_NAME=Cam001

When all the setting completed, save **syscfg.dat** file, and move the camera power switch to OFF side, next time when slide to TEST, camera will read the new config automatically.

Updating the parameters:

1. connect the camera to power supply or connect with external power.
2. move the mode switch at "OFF" side, move the power switch at "TEST" side, the system will power on and turn on red & blue LED light, wait for 3~5 seconds will be flashing blue light for few seconds then all LED light turn off, update finished.
3. Remember to format memory card or delete the update file.

3.3 Power on



When all the setting completed, slide power switch from OFF to Test (for setting) then to ON position, the camera powers on (**Please don't slide the power switch from OFF to ON directly**) and captures images or videos when its PIR detected by animal or people.

Camera will keep at sleep states when there is no detection to save power.

4. Trouble Shooting

4.1 Camera doesn't Capture Subject of Interest

1. Check the PIR, if it damaged or covered by leaf, camera will not be triggered.
2. Try to set your camera up in an area where no heat resources are in the camera's field

of view.

3. In some cases, set the camera near to water will make the camera take images with no subject in them.
4. Try to aim the camera over ground.
5. Try to set camera on stable and immovable objects, i.e.: large trees.
6. At night, motion detector may detect beyond range of the IR illumination.
7. Rising sun or sunset can trigger sensor, Camera should be reoriented.
8. 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.

4.2 Camera Stops Taking Images

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

4.3 Night Vision Flash Range Doesn't Meet Expectation

1. Install 4 pcs high quality AA batteries for better battery life.
2. To ensure accuracy and quality of night time image, please mount camera to dark environment without any obvious light sources;
3. A 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 shining a flashlight into sky in night, you just can't see anything, same does camera.

5. Specification

Memory	Micro SD Card Max 32GB
Lens	F=3.1; FOV=90 °
Size	129mmx93mmx39mm
LED	850nm IR
Cycle record	On/Off
PIR Sensor Sight Angle	120 Degrees
Number of IR LED	30LEDs
Max Night Vision Lighting Distance	65ft/20 meters
Trigger Speed	1.1 second
Delay	1/5/10/30sec/min (default 1 sec)
Selectable Image Resolution:	12MP/8MP/5MP
Multiple Photo on one detection	1/3/6/9
Video Resolution	1080P/720P/VGA
File Format	JPEG/AVI
Date Time Imprint	Yes
Stand-by current	0.2mA
Stand-by time	6Months
Power Supply	4×AA batteries, External 6V DC
Water proof	IP54
Security authentication	FCC, CE, RoHS

6. Packing List



Belt



USB cable



User manual