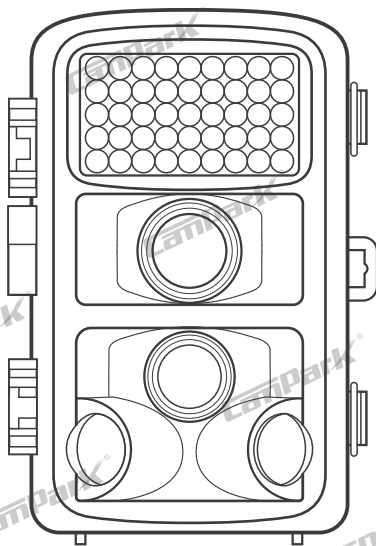


T45 Trail Camera



Instruction Manual

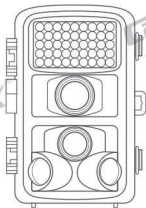
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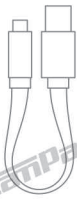
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1. PACKING LIST

Please carefully unpack camera and check that below accessories are contained in the box.



①



②



③



④



⑤



⑥

1. Wildlife Camera x 1
2. USB cable x 1
3. Instruction Manual x 1
4. Mounting Belt x 1
5. Wall Mount x 1
6. Screws x 3

2. INTRODUCTION

The Wildlife Camera is a wildlife and surveillance camera with an infrared sensor. The sensor can detect sudden changes to the ambient temperature within an evaluation area. The signals of the highly sensitive infrared sensor (PIR, passive infrared sensor) switch on the camera, activating picture or video mode.

2.1 Features Of Wildlife Camera

1. CMOS sensor.
2. 14 Megapixels photo and 1080P HD video.
3. 6.1 cm (2.4") color TFT LCD: 320x240 pixels
4. 42 pcs IR LEDs.

- 5.Full automatic IR filter.
- 6.Trigger speed: Approx. 0.3 second.
- 7.Setup Serial No. to record the position.
- 8.Time, date, temperature, phase and Serial No. will be stamped on the photo.
- 9.Password protection.
- 10.Power indicating.
- 11.Built-in test function about environmental temperature.
- 12.Built-in microphone and speaker.
- 13.Mini USB 2.0 interface.
- 14.Waterproof standard IP56.
- 15.Working temperature: -20°C to 60°C.
- 16.Extremely low power consumption in standby operation providing extremely long operating time, lasts 6 months with 8 pcs batteries when taking 50 pics photos every day.

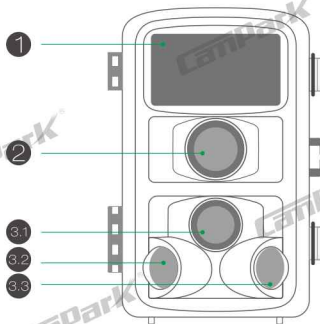
2.2 Features Of Wildlife Camera

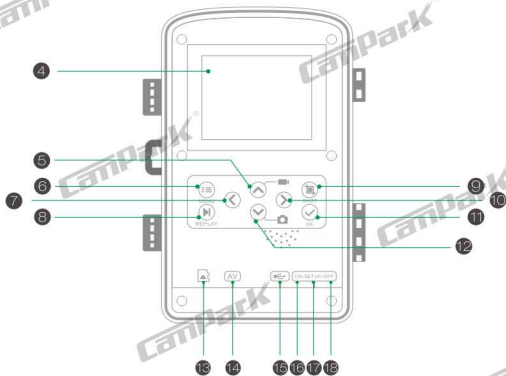
- 1.Camera trap for hunting
- 2.Animal or incident observation.
- 3.Motion triggered security camera for domestic, office or public use.
- 4.Any internal and external surveillance.

3. STRUCTURE

Understanding the camera structure helps to use this product more skillfully.

- 1-Infrared LEDs
- 2-Lens
- 3.1-Front motion sensor
- 3.2-Left motion sensor
- 3.3-Right motion sensor





4. Display screen

5. Up button

6. Menu button

7. Left button

8. Replay button

9. Shot button

10. Right button

11. OK button

12. Down button

13. TF Slot

14. AV jack

15. USB jack

16. ON

17. SETUP

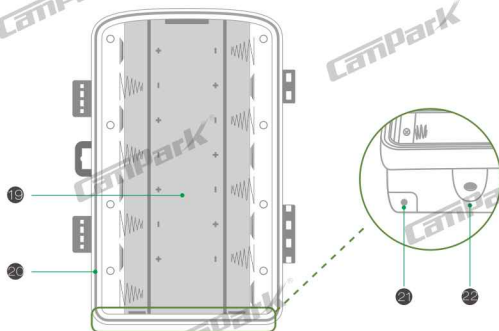
18. OFF

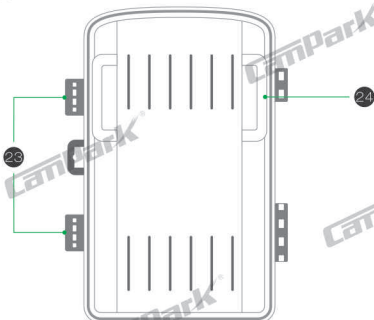
19. Battery compartment

20. Seal ring

21. DC connection 6V/1.5A

22. 1/4" Tripod thread





23.Locking brackets

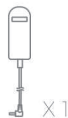
24.Slot for mounting belt

- ▲ 1.The monitor is only switched on in the SETUP mode for changing menu settings or viewing existing photos and videos.
- 2.A micro SD memory card must have been inserted into the memory card slot to save photos and videos.
- 3.Using the mini USB connection (USB 2.0), the camera can be connected to a computer to download photos and videos.
- 4.Using the mode switch, the three operating modes:OFF,SETUP and ON can be selected.

4. PREPARING THE CAMERA

Note :

- 1.Micro SD memory cards up to a capacity of 32 GB are supported.



2. Instead of type LR6 (AA) batteries with the same specification (with 2000 mAh or higher) may be used. We recommend NiMH batteries with low self discharge (not supplied).
3. The camera must be inserted 4 or 8 x 1.5V AA batteries. Do not use new and old batteries together. DC interface need 6V/1.5A adaptor with 3.5 mm (outer diameter) s*1.3 mm (inner D) plug head.
4. Insert CLASS6 or higher class micro SD card (CLASS10 recommend). Prior to insert into memory card, ensure that the lateral write protection on the memory card has not been locked.
5. Switch on the camera. 3 switches; power off (OFF), setup menu /SETUP mode (SETUP) and live mode (ON).
6. New memory card is recommended to be formatted when using (as below described).
7. Please note that the camera will power off when power is very low.



Operation (See Figures Below)

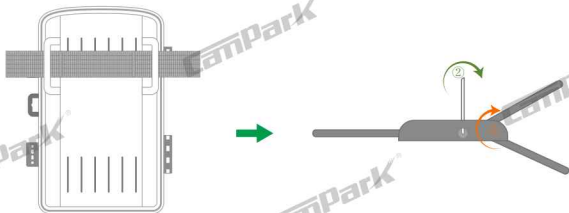
Open the locking brackets and the protective cover of the battery compartment - insert batteries -insert memory card—switch to SETUP—enter system menu by pressing MENU button -choose to format memory card—choose to reset to factory.

(this step can be skipped)—choose to setup system time.

Open the battery cover ► Insert 8pcs batteries. Battery model:

AALR6 > Ensure that the lateral write protection on the memory card has not been activated > Insert CLASS6 or above Micro SD memory card in the memory card slot before switching on the camera and select SETUP mode to adjust settings

Assembly With Strap



5. USING THE CAMERA AND SETUP MENU

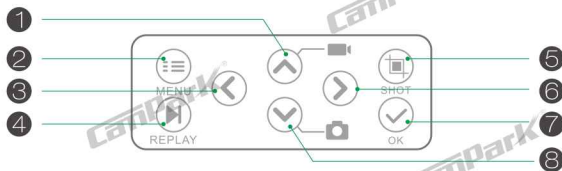
5.1 Using The Camera

1. Operating Buttons

Functions of operating buttons in recording mode:

Below, the operating buttons are described in the recording mode with non-activated menu.

1. UP Key: Page up (Menu mode): Switch to Video recording mode
2. MENU: Open or exit this Setting menu/Stop playing video (Replay Mode)
3. Left Key: Page left
4. Replay Key: Review photos and videos
5. SHOT Key: shot video recording/capturing
6. Right Key: Page right
7. OK: Play/Pause play video files (Replay mode)
8. Down Key: Page down(Menu mode)/Switch to Photo mode.



2. Mode Switch

2.1 Shift the switches to choose work mode:



Power off (OFF)



Setup system (SETUP)



Live mode (ON)

2.2 Press Up/Down key to switch modes between Video and Photo mode.

2.3 Press the MENU key to open setting menu. Press OK to confirm the setting changes.

2.4 Press the MENU key one more time to return to previous menu or exit the settings MENU.

2.5 Switch the mode selector to "OFF" to power off the camera.

5.2 Setup Menu

1. Mode

Photo, Video, Photo+Video, Select whether photos or videos should be taken when motion is detected. When in the "Photo+Video" mode, the camera first takes a set number of photos prior to recording a video.

2.Photo Resolution

14M (4416 x 3312), 8M (3264x2448), 5M (2592 x 1944), 3M (2048x1536), 1M (1280x960).

Select the desired resolution for photos. We recommend the resolution 8M. A higher resolution produces a somewhat better photo quality but results in larger files requiring more space on the memory card 12M and 8M resolution are generated by interpolation which can also affect quality.

Taking 16GB memory card for example:

Photo Pixels	Resolution	Size(Mb)	Photo Quantity
14M	4416x3312	332	6030
8M	3264x2448	2.94	6260
5M	2592x1944	2.22	7380
3M	2048x1536	1.44	11370
1M	1280x960	0.62	26420

3.Photo series : 1 P, 2P, 3P

4.Video resolution

1920x1080P@30fps, 1280x720P@30fps, 720x480P@30fps, 640x480P@30fps, 320x240P@30fps. Select the required video resolution. Select the number of photos to be taken in succession when the camera is triggered in the Photo mode. Please also observe the parameter interval! A higher resolution produces higher quality videos but results in larger files requiring more space on the memory card. Videos are recorded in AVI format which can be played back on most video devices.

Taking 16GB memory card for example:

Video Resolution	Video Length:10 seconds		Total recording time (Minute)	Frame number (FPS)
	Video size (MB)	Video quantity		
1920x1080	46.2	350	58	30
1280x720	34.4	470	78	30
720 x480	17.8	920	153	30
640x480	13.4	1200	203	30

5.Video Length

▲ Default 5 seconds, optional 3s-59s, 1-10Minutes

Specify the duration of a video recording when the camera is triggered automatically. The recording period for videos is not limited in the SETUP mode.

1. In the SETUP mode in daytime and at night.
 - > When recording manually, the camera will stop automatically after 29 minutes' recording;
 - > When recording manually, the camera will stop when one video clip size gets to 4 GB,
 - > When recording manually, the camera will stop when the memory card is full or ultra low power.
2. In live mode (ON) at night the camera will work automatically as per the video length setting. For low power, it will stop recording in advance.
3. Please set the shorter video length to guarantee a long-time usage of batteries.

6.Audio recording

Turn on/off audio recording

7. Shot lag

▲ Defaulted 1 MIN. optional from 5 seconds-60 minutes.

Select the shortest period for the camera to wait before it reacts to the successive triggering of the main sensor after an animal has first been detected. The camera does not record any photos or videos during the selected interval. This prevents the memory card from being filled with unnecessary shots.

- 1.The shot lag is short, the camera shooting frequency would be high, and there would be high consumption of the power. It would affect the usage days of the batteries.
- 2.On the opposite, if the shot lag is long, it would be a lower consumption of power to guarantee a long-time usage.

8.Sensitivity of motion sensors

1. Select "High" For interior areas and environments with little interference
- 2.Select "Medium" for exterior areas and environment with a normal amount of interference,
- 3.select "Low" for an environment with a high level of interference.

9.Target recording time

Press "OK", and then select "ON" to set the starting working and ending working time. After finishing setting, the camera only works during the set time every day. Beyond the period, the camera is in standby.If the start time is, for instance set to 18:35 and the end time to 8:25, the camera will be operational from 6:35 pm of the current day until 8:25 am of the following day. The camera will not be triggered and will not take any photos or videos outside of this period.

10.Time lapse

Press "MENU" to find "Time lapse". Press "OK", then select "ON" to set the time interval, and set the values of Hr, Min and Sec. For example, if the process of flowers blooming has to be recorded, time lapse can be used. The camera automatically takes pictures in every set time intervals.

11. Language

Select the desired menu language.

The following languages are available: English, German, French, Spanish, Chinese, etc.

12. Time & date

Press "MENU" to find "Time & Date". Press "OK", then select "ON" to select the settings. Set time & date: Set the time and date according to current time. Press Left/Right key to choose the number and change the value by pressing Up/Down key. Confirm the changes with "OK" key. Time formats: 12/24hr Date formats: dd/mm/yyyy, yyyy/mm/dd, mm/dd/yyyy;

13. Photo stamp

Turn on/off display of watermark on photo

14. Password protection

Select "Password protection". Press "OK", and then select "ON" to set the password of the camera. The password is a 4-digit number selected between 0-9. If the password is lost, press MENU key and REPLAY at the same time, and slide the operating mode selector from OFF to SETUP position. The camera is unlocked.

15. Beep sound

Turn on/off beep sound

16. Format memory card

Select to format memory card on this camera, we suggest format the memory card on computer then format it on this camera again for first use.

17. Serial NO.

Press "OK", and then select "ON" to set the serial number for the camera. You can use a combination of 4 digits to documents the location on the photos. When using several cameras, this makes it easier to identify the location when viewing photos.

18. Reset settings

Select to reset the camera to the default settings. Please note to set date and time again.

19. Version

Select to check the camera's current firmware version number.

20. Playback

Slide the operating mode selector switch to "SETUP" position. Press replay key and Up/Down key to review the photos/videos. While reviewing photos, press Up/Down key to page up/down. While reviewing videos, press OK key to start playing, press OK one more time to stop. Press replay key to return to standby.

20.1 Delete selection

You can use this function to delete individual recordings from the memory card. Press MENU key under the mode of playback, move the select bar to "Delete current file" and press OK to delete the selected recording.

20.2 Delete all recordings

You can use this function to delete all recordings from the memory card. Press MENU key under the mode of playback, move the selection bar to "Delete all files" and press OK to delete all recordings.

20.3 Activate slide show

This function can be used to play back the photos stored on the memory card automatically. Each photo is shown for about 2 seconds. To stop the slide show and keep the current image permanently on the screen, press the OK button.

21. Write protection

- > This function can be used to protect individual recordings of all saved recordings from accidental deletion.
- > Select "Write-protect current file" to protect the currently selected recording from accidental deletion.
- > Select "Write-protect all files" to protect all saved recordings from accidental deletion.
- > Select "Unlock current file" to remove the write protection for the currently selected recording.
- > Select "Unlock all files" to remove the write protection for all saved recordings.

22. Side motion sensors

During the alignment consider whether the use of the side motion sensors may be useful for attaining the desired observation results or not.

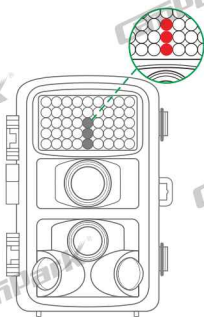
6. ENTERING LIVE MODE

6.1 Adjusting And Installing The Camera

The SETUP mode is advantageous for determining the best possible detection angle and range of the movement sensor. For this purpose, attach the camera at approx. 1 -2m height to a tree and align the camera with a desired direction.

For 1 meter height, Place the camera parallel to the ground.

For 2 meters height, Tilt the camera down five degrees to the ground.

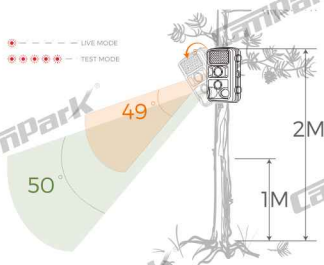


Move slowly from one side of the observed area to the other. Move parallel to the camera. Try out different angles and distances. The green LED flashing indicated that you were detected by main PIR sensor. And the blue LED flashing indicated that you were detected by side PIR sensor.

NOTE: blue LED only lights up when "Side motion sensor" is ON. In this way you can determine the best position for aligning the camera. The blue/green LED only flash in the SETUP mode as soon as the PIR sensor has detected movement.

The red LED will flash for 15 times when you just switch to Live mode (ON), and then the camera work automatically and enters the Standby mode. To prevent incorrect signals and unnecessary photos, we recommend not using the camera at sunny points and check that no branches are in the active area of the sensor.

Also check that the camera is set to the correct height in line with the point to be observed. Where necessary, point the camera down for optimum alignment



Note :

Please do the horizontal movement before the PIR. vertical movement could not detect correctly.

Please quicken your steps when you do the test in a long distance before PIR detection area.

The PIR detection distance would be shorter if the environment temperature reaches or above 30 °

The screen would automatically turn off without any operation within 3 minutes in SETUP mode, press any button will make turn it on again.

6.2 Setting Up The Live Mode

The standard application of the Wildlife Camera is the Live mode.

In this mode , photos are either triggered by movement sensors or at intervals according to the respective setting.

To set up the Live mode , switch mode switch to ON position. The red LED will flash for 15 times when you just switch to Live mode (ON), and then the camera work automatically and enters the Standby mode.

As soon as wild animals or other objects directly enter the detection area of the sensor zone, the camera starts to record photos and videos.

Note:

In the daytime, IR LEDs will not light up. The photos and videos are in color. At night, IR LEDs will give lights, and the photos and videos are in black and white.

The Shot lag is 1 minute defaulted. The optional is 5s-60 min.

Please set up recording mode and related parameters before entering Live mode.

When Flash Light is set to "Auto", the camera will adjust the brightness of IR LEDs automatically in low power. When shooting at night, the brightness will decrease automatically, and the shooting effect will become a little poor. For ultra low power, shooting will stop at night.

7. Connection to computer

Please shift Mode to "SETUP", and connect the camera to computer with USB cable, the camera LCD will show "MSDC prompt". This indicates connecting successfully. And then read or copy the data in SD card to the computer.

1. Connect the camera to your computer using the USB cable.
2. The camera switches on automatically in the USB mode, irrespective of the selection on the mode switch.
3. The camera installs itself on the computer as an additional drive under the name "Removable storage device".
4. Double click on the device to detect the folder "DCIM".
5. The photos and videos are in the sub folders of the "DCIM" folder.
6. You can copy or move photos and video files on the computer.

Alternatively, you can insert the memory card in a card reader on the computer.

8. TECHNICAL SPECIFICATION

EN

Element	Macintosh
Image sensor	14 Megapixel CMOS sensor
Photo resolution	14MP: 4416x3312; 8MP: 3264x2448; 5MP: 2592x1944; 3MP: 2048x1536; 1MP: 1280x960
Screen	6.1cm (2.4") color TFTLCD; 320x240 pixels
Recording medium	Supports Micro SD memory cards up to 32 GB (optional)
Video resolutions	1920x1080,1280x720, 720 x480,640x480,320x240
Lens	F2.5, f=3.6mm
The distance of night version	22m
Triggering distance	Up to 22 meters
Triggering time	0.5-0.8 second
Shot lag	5 seconds to 60 minutes
IR flash	42 pcs infrared LEDs
Detection angle of sensor	120°
Spray water protected	Yes (IP56)
Storage formats	Photo:JPEG; Video:AVI, MJPC
Connections	Mini USB 2.0
Standby time	Approx.6 months (with 8 batteries)
Dimensions	97x140x67mm
Dimensions	8 x batteries type LR6 (AA); 8 x NiMH batteries type LR6 (AA) with low discharge; External 6V power supply, at least 1.5A (not supplied)

9. SIMPLE TROUBLE SHOOTING

<p>The camera will not turn on</p>	<ol style="list-style-type: none"> 1. Please check whether the batteries are installed in proper way. 2. Check if the battery capacity is low or exhausted. If so, please replace by new batteries.
<p>The camera turns off automatically</p>	<ol style="list-style-type: none"> 1. Please check whether the battery capacity is low or exhausted. If so, try to change new batteries for outdoor using or connect AC adapter for indoor using. 2. Please check if SD card is full. If so, transfer images and videos to your computer or delete some files in the Replay Mode.
<p>It shows "SD card Error"</p>	<ol style="list-style-type: none"> 1. Please ensure that SD card is with class 10 standard or higher level. 2. Please use the camera to format SD card at the first time.
<p>Videos are choppy or jumpy when played on a computer</p>	<ol style="list-style-type: none"> 1. Try to use different media players such as VLC player. 2. Ensure AVI format Video clip can be played on your computer.
<p>The image is not clear</p>	<ol style="list-style-type: none"> 1. Please ensure that you have removed the protective films on IR LEDs and lens before using.
<p>The camera does not take images or record videos</p>	<ol style="list-style-type: none"> 1. Check If the memory of SD card is full, transfer images or videos to your computer or delete some files in the Replay Mode.

9.1 Care

Do not use any corrosive cleaners, such as methylated spirits, thinners, etc. to clean the camera housing and supplied accessory. When required, the clean system components with a soft dry cloth.

9.2 Storage

Always remove the battery from the housing if the camera is not being used for some time and store the battery separately. On a day to day basis and over longer periods the batteries can be kept at a dry location out of the reach of children.

IF YOU HAVE ANY QUESTIONS OR PROBLEMS.

Please contact us by

USA&Canada support@campark.cc

Europe eu.support@campark.cc

UK uk.support@campark.cc

We will offer prompt and authoritative reply within 24 hours, and try our best to resolve your problem ASAP. More Safe Guarantee with CAMPARK!
If you are not satisfied with our product. Please tell us about your thought.
That will be much appreciated.