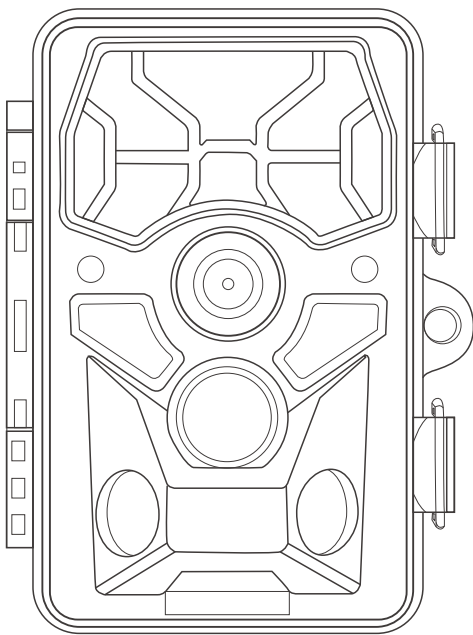


# T80 Trail Camera

## User Manual



**CamPark®**



# **Dear customer, congratulations on purchasing a high quality product.**

You have purchased a Campark Wildlife Camera with excellent technical features and respective accessory that is particularly easy to operate. Please study all notices carefully and diligently. Please study this information in detail observing, in particular, the safety instructions.

## **1. Contents of box**

Carefully unpack camera and check that all of the following components are contained in the box:

- |                       |                      |              |
|-----------------------|----------------------|--------------|
| 1. Wildlife Camera    | 2. Mounting belt     | 3. USB cable |
| 4. Instruction manual | 5. Remote Controller |              |



### **Note:**

- Remove the protective foil from the camera lens by pulling the protruding tab.
- Caution! Keep plastic foil and bags away from babies and small children, as otherwise danger of suffocation.



## 2.Contents

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### **3. HAZARD, SAFETY AND WARNING NOTICES**

Incorrect use of the camera and accessories can be dangerous for you and others and can damage or destroy the camera. We therefore ask you to read and strictly observe the following Hazard, safety and warning notices.

#### **Intended use**

- This camera is intended for taking digital photos and video clips. It has been designed for private use and is not suitable for commercial purposes.

#### **Hazards for children and persons with limited ability to operate electronic equipment**

- The camera, accessory and packaging are not toys for children. These should therefore always be kept away from children. Danger of electrocution, poisoning and suffocation.
- The camera and accessory may not be used by children and persons with limited abilities. The camera may only be operated by persons physically and mentally able to operate it safely.

#### **Electrical hazard**

- Switch off the camera and remove the batteries if a foreign body or liquid has entered the camera. Let all parts dry thoroughly. Otherwise danger of fire or electrocution
- Switch off the camera and remove the batteries if the camera has been dropped or the housing is damaged. Otherwise danger of fire and electrocution.
- The camera may not be dismantled, modified or repaired. Danger of fire and electrocution.
- Only use a power adaptor (not supplied) with the mains voltage specified on the rating plate (6V). Otherwise danger of fire or electrocution. Disconnect the power by pulling the power adaptor out of the socket.
- A plugged in power adaptor (not supplied) can continue to use power and therefore represents a hazard source.
- The power supply may not be used during thunderstorms. Otherwise danger of electrocution.

## **DAMAGE FROM HEAT-FIRE HAZARD**

- Do not leave the camera in places that are susceptible to considerable increases in temperature (e.g. a vehicle). The housing and internal parts may be damaged, which in turn could cause a fire.
- Do not wrap up camera or place on textiles. This could produce a build up of heat in the camera that can cause deformation of the housing and may represent a fire hazard.

## **INJURIES AND MATERIAL DAMAGE**

- Only place the camera on sturdy surfaces. The camera could otherwise fall or topple over, causing damage or injury.
- Do not operate the camera whilst running or driving. You could fall or cause a traffic accident.
- Only use a mains adaptor (not supplied) for the camera, having the input voltage specified on the rating plate (6V). We do not accept any liability for damage caused by the use of an incorrect mains adaptor.
- The 230V socket used for the mains adaptor (not supplied) must not be covered and accessible at all times so that the mains adaptor can be quickly disconnected from the mains, when required.
- Ensure adequate ventilation and do not cover the mains adaptor (not supplied) to avoid overheating.
- Do not place any open ignition sources, such as lit candles onto or close to the device.
- Do not subject the LCD monitor to impact or pressure. This could damage the glass of the monitor or the liquid could leak from the inside. In case of contact with eyes or skin, rinse immediately with clear water. In case of contact with eyes contact a doctor immediately.
- Damage to the electronics, the monitor or the lens caused by external influences such as impacts, falls or other are not covered by the warranty and must be paid for.
- Do not drop or bump the camera and always handle it carefully. Otherwise the camera can be damaged.



## 4. INTRODUCTION

The T80 Camera is a wildlife and surveillance camera with a 3 zone 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.

### Features of Wildlife Camera:

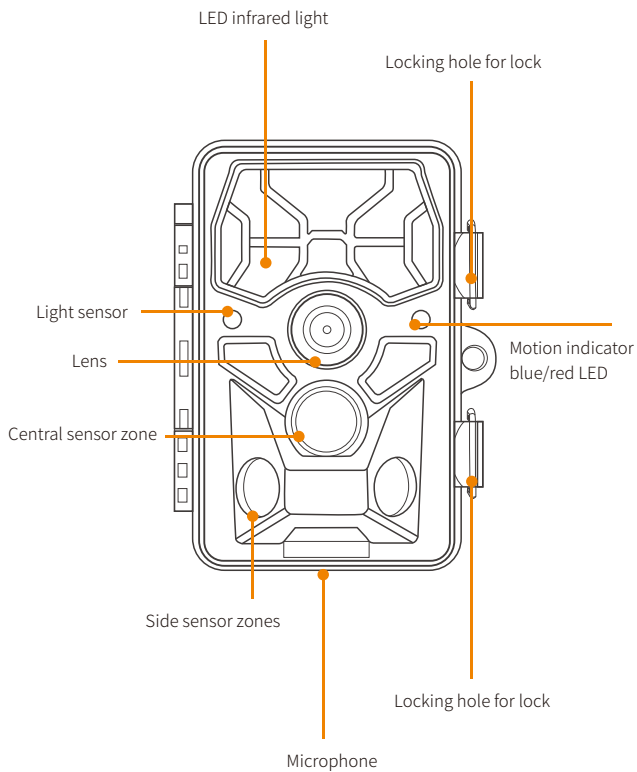
- 20 Megapixels CMOS sensor.
- 20Megapixel photo and 1296P HD video.
- The unique sensor design offers a 120°wider angle of detection and improves the response time of the camera.
- During day, sharp and clear color images and during night time clear black and white images.
- Impressively quick shutter release time (0.3 seconds).
- Spray water protected according to standard IP66.
- Lockable and password protection.
- Date, time, temperature and moon phase can be displayed on the images.
- Using the serial number function, locations can be encoded on photos.  
Where several cameras are used, this function allows easier identification of locations when viewing photos.
- Possible use under extreme temperatures of between -20°C to 60°C.
- Extremely low power consumption in standby operation providing extremely long operating times.  
(in standby mode up to 6months with 8AA batteries).

### Areas of application

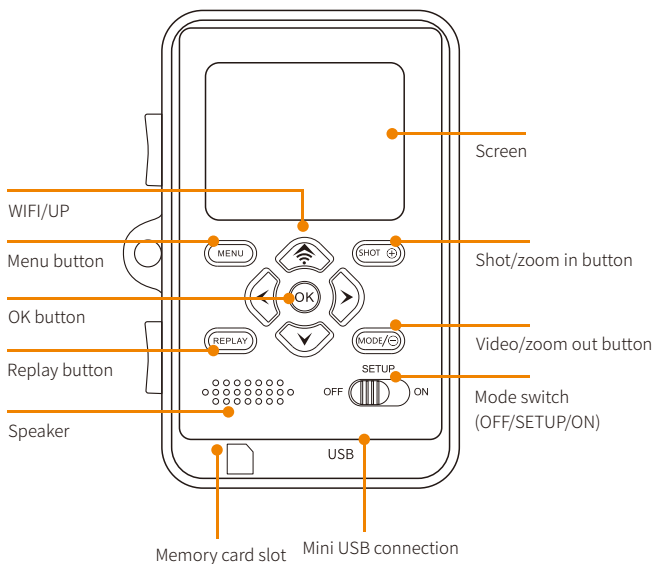
- Camera trap for hunting.
- Animal or incident observation.
- Motion triggered security camera for domestic, office or public use.
- Any internal and external surveillance, where evidence of an infringement has to be provided.

## 5. YOUR CAMERA

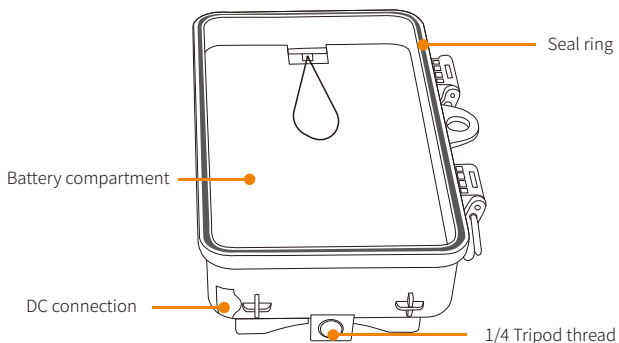
### 5.1. Front view



## 5.2. Inside views



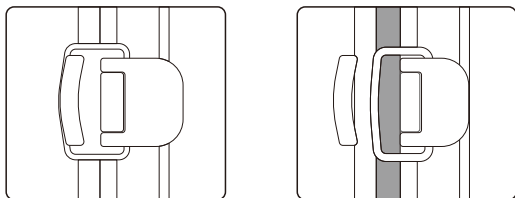
- The monitor is only switched on in the SETUP mode for changing menu settings or viewing existing photos.
- An SD or SDHC memory card must have been inserted into the memory card slot in order to save photos.
- Using the mini USB connection (USB 2.0), the camera can be connected to a computer.
- Using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



## 6. PREPARING THE CAMERA

### 6.1. Opening and closing the camera

Operating buttons, connections and batteries are located inside the Wildlife Camera.

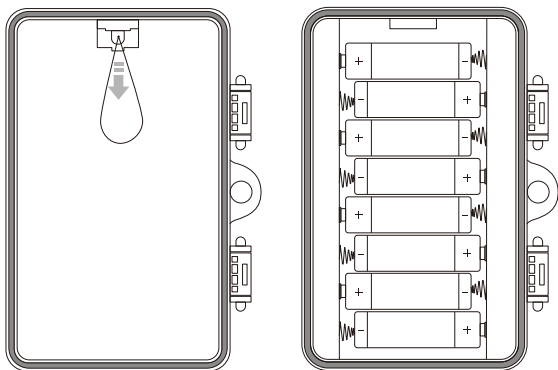


A fixing for a padlock is provided between the two locking brackets, allowing the camera to be securely locked.

## 6.2. Inserting the batteries

Open the camera as described in section 6.1 to insert the batteries. The battery compartment is housed in the right, rear part of the camera. Now open the protective cover of the battery compartment by pulling the clamping closure at the top slightly inwards before lifting off the cover.

First remove any existing batteries from the battery compartment. Insert 8 fully charge batteries as shown in the below figure. When insertig batteries ensure correct position as marked for each battery in the battery compartment.



### Note:

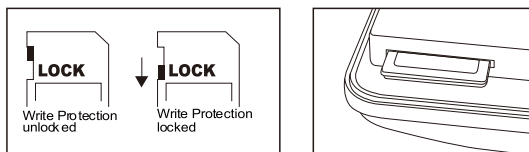
- We recommend using 8 x alkaline AA batteries to ensure the camera's normal function.
- An alarm is sounded if battery charge is too low.

### 6.3. Inserting the memory card

A memory card must have been inserted in order to save photos and videos. Insert a SD/SDHC memory card in the memory card compartment before switching on the camera.

Switch off the camera and open as described in section 6.1.

Prior to inserting the memory card ensure that the lateral write protection on the memorycard has not been activated (see figure).



If the camera displays "Card protected", remove the memory card and change the position of the memory protection.

Insert the memory card as shown in the adjacent illustration. Push the memory card into compartment until it clicks into place.

To remove the memory card push card in again until it is partly ejected.



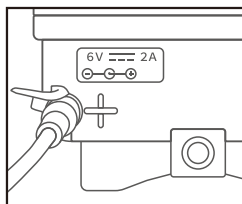
#### Note:

- SD/SDHC memory cards up to a capacity of 32 GB are supported.

## 6.4. External power supply

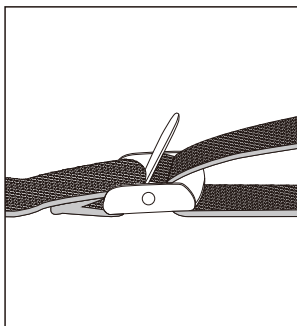
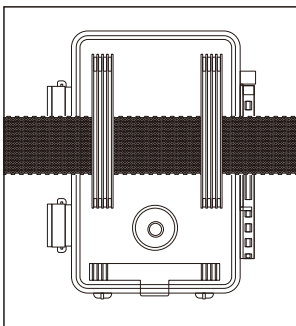
The camera can be operated using power from an external power supply.

A 6 V power supply with at least 1.5 A is required containing a connector with a 3.5 mm external and 1.35 mm internal diameter (internal positive pole, external negative pole ).



## 6.5. Assembly with strap

Use the securing strap supplied to attach the Wildlife Camera to a tree or another object. The illustrations below demonstrate how to fasten the securing strap.



Position the Wildlife Camera as desired and pull the loose end of the securing strap tight until the camera is firmly secured.

To release the securing strap again, pull at the tab of the securing strap.

## 7. USING THE CAMERA

Prior to setting up the camera for surveillance, it must be set up for the respective purpose. For this purpose, there is a setup mode available. In addition to changing settings, photos and videos can be taken and existing photos can be viewed in this mode.

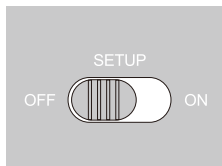
### 7.1. Mode switch

Open the camera as described in section 6.1. The Mode switch is located at the bottom edge on the left inside. 3 operating modes can be selected:

**OFF :**The camera is completely switched off in the OFF mode.

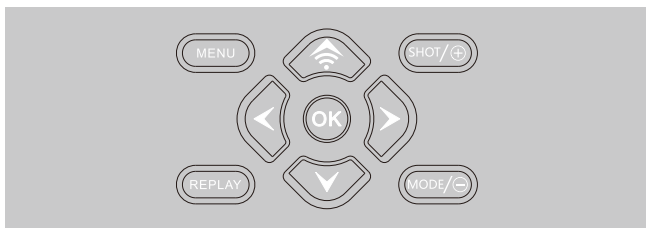
**SETUP:** Select SETUP mode to adjust settings and make or playback photos and videos.

**ON:** The camera is activated to take photos automatically (Live mode).



### 7.2. Operating buttons










Set the mode switch to SETUP and the camera and monitor are switched on. Using the operating buttons different functions can now be activated and settings can be changed. For this purpose, the following operating buttons are provided on the display panel:














## FUNCTIONS OF OPERATING BUTTONS IN RECORDING MODE

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

-  Open the Settings menu using the MENU button.
-  Press this button to start the replay mode.
-  Change to the manual recording mode and record a video.
-  Change to the manual recording mode and take a photo.
-      No function(in recording mode).

## FUNCTIONS OF OPERATING BUTTONS IN REPLAY MODE

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

-  Select the Replay menu using the MENU button.
-  Press the button to return to recording mode.
-  View existing pictures backwards and drag up wards to view photo and increase the video play volume.
-  View existing pictures forwards and drag down wards to view photo and decrease the video play volume.
-  Drag right to view and skip ahead the video.
-  Drag left to view and skip back the video.
-  Start and end replay of videos /image cut save after zoom.
-  Zoom out the photos and decrease the video play volume.
-  Zoom in the photos and increase the video play volume.

## FUNCTIONS OF OPERATING BUTTONS IN MENU

Below, the operating buttons are described in the replay mode with activated menu. (Recording and Replay mode).

**MENU** Close the Main menu or any sub menu by pressing the MENU button.



Move up one menu point or increment value by 1.



Move down one menu point or decrease value by 1.



Move forwardly to the data setting.



Move backwardly to the data setting.



Open selected options or accept selected settings.

Confirm each change to a setting by pressing OK. If the change is not confirmed by pressing the OK button, the new setting are lost when leaving the menu.

**REPLAY**

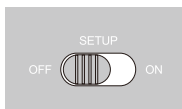
**MODE/⊖**

**SHOT/⊕**

No function (in MENU mode).

### 7.3. Settings

Prior to using the T80 Camera, change the settings as required. Slide the mode switch of the T80 Camera to the **SETUP** position to start the setup mode. In the Photo or Video mode press the MENU button to call up the menu. All menu options of the T80 Camera and possible setting values for the recording mode are listed below. The standard setting is always highlighted in bold.





- **Mode :** Photo, Video, Photo + VideoSelect 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.
- **PIR Interval:** Defaulted 30seconds, optional from 5seconds ~60minutes  
Select the shorsetup 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 images or videos during the selected interval. This prevents the memory card from being filled with unnecessary shots.



**Note:**

- The interval time is short, the camera shooting frequency would be high, and there would be high consumption of batteries. It would effect the usage days of the batteries. It is just on the opposite ,the interval time is long, would be a lower consumption of batteries to guarantee a long time usage.
- **PIR Sensitivity:** High/ Medium/ Low
- **Time lapse:** Off/OnWhen "on" has been selected, the camera would automatically takes photos in the selected time interval, irrespective of whether or not the PIR sensor has detected a motion or not. This is useful for observing cold blooded animals e.g. snakes or plants opening up, etc. As soon as the "On" setting has been confirmed by pressing the OK button, you can enter the interval time after which photos are to be taken.



**Note:**

- In this mode, the PIR function would stop working, and the camera would take photos in the setting interval time.

- **IR LED:** Auto/ Super Fine/ EconomySet the infrared LEDs brightness.
- **Monitoring Period :** Off/OnSet timer to "On" if camera should only be active within a certain time. Once "On" has been confirmed with the OK button, the start and end time can be set. If the start time is, for instance set to 18:35 hrs and the end time to 8:25 hrs, 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.
- **Side PIR Setup:** Off/On The two side PIR sensor zones provide a wide detection angle and detect more potential triggers. Sometimes you only wish to observe a certain point. Too many irrelevant triggers from the side sensor zones outside of this point continuously switch the camera on and off, considerably affecting battery life. In some situations it may be difficult to remove interfering branches or avoid sun light. In these situations you can switch off the side sensor zones.



- **Image size :** 20M(5120 x 3840), 16M(4608 x 3456), 12M (4032 x 3024), 8M (3264 x 2448), 5M (2592 x 1944), 3M(2048 x 1536), 2M (1600 x 1200 )Select the desired resolution for photos. We recommend the resolution 5M.A higher resolution produces a somewhat better photo quality but results in larger files requiring more space on the memory card..
- **Picture NO :** 1P, 2P, 3P, 4P, 5P, 6P, 7P, 8P, 9P, 10P. 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!
- **Shutter speed:** 1/15, 1/20, 1/30



- **Resolution :** 1296P(1728 x 1296), 1080P (1920 x 1080, 30 fps), 720P (1080 x 720, 30 fps), 480 (848 x 480, 30 fps), 360(640 x 360,30fps) Select the required video resolution. 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 equipment.
- **Video Length :** Defaulted 10seconds, optional 5seconds~180seconds 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.
- **Record Audio:** Off/On



- **Language:** Select the desired menu language The following languages are available: English, German, Danish, French, Spanish, Chinese, etc.
- **Default settings(Reset to factory) :** Cancel /OK Press “OK” to reset the camera settings to the default values and confirm the selection by pressing the OK button.
- **Format:** Cancel/OK All files are deleted by formatting the memory card. Press OK button and confirm formatting by selecting "OK". We recommend formatting the memory card if it has already been used in other devices or if it is a new card. Caution: Ensure that files still required have been backed up prior to formatting!
- **Date / Time:** Set date and time
- **Time Format:** 12hour/ 24hour
- **Date Stamp:** On/Off Select "ON" to print the date, time, temperature and moon phase on each photo or video. Otherwise select "Off".

- **Beep Sound:** On/Off
- **Camera name:** Trail Camera (can only be used for photos not f or videos)  
You can use a combination of 10 digits and 26 letters to document the location on the photos and videos. When using several cameras this makes it easier to identify the location when viewing photos and videos.
- **Password Setting :** Off/On After selecting "On" enter a four digit password to protect your camera against unauthorised access. This password must be entered each time the camera is switched on in the SETUP mode before the camera can be use d.



### Note:

- If you forgot your password, please unlock the camera with password “OPEN”.
- **WIFI SSID:** Campark -T80-\*\*\*\*  
You can use a combination of 10 digits and 26 letters to document the location on the photos and videos. When using several cameras this makes it easier to identify the location when viewing photos and videos.
- **Remote:** Off/ On
- **WIFI Password:** Default 12345678
- **Auto WIFI Off:** 1Minute, 2Minutes, 3Minutes If there is no operation more than the selected time, then the WIFI will disconnect automatically.
- **Auto power off:** 3 min/5 min/10 min/Off If there is no operation more than the selected time, then the camera will turn off automatically in SETUP mode.
- **Backlight timer:** 1Minute, 3Minutes, 5Minutes, Off The LCD monitor would automatically turn off after the setting time.
- **Version:** MCUVER:xxxxx, DSPVER:xxxxx  
Mcu FW Update In replay mode the option Delete is available in the menu.

- **Delete:** Select the “Delete” option to remove individual or all photos and videos from the memory card thus making storage room for new photos and videos.
- **Single:** Using this option you can delete individual photos and videos. After selection the option by pressing the OK button, the photo and video to be deleted is shown. Confirm deletion by selecting “Yes” and confirming the selection by pressing the OK button. To end the deletion process, select “No” and confirm by pressing OK.
- **All:** Select option “All” to delete all photos and videos on your memory card. To confirm deletion of all your photos and videos, select “Yes” and press the OK button. Select “No” to interrupt the deletion operation.

#### 7.4. WIFI APP connection

Before using the wifi function, please install the APP application on the smartphone device. Please download and install the app from Google Play by searching “WIFI Hunting Camera” for Android system and IOS system.




iOS



Android

## 7.4.1 Turn on Wifi

1. When the camera is in SETUP mode, press and hold  UP button in the camera or **ON** button in the remote controller. The screen displays the “WIFI” connection interface. The red indicator flashes rapidly and the camera has open WIFI, the camera connection interface is as shown below.



2. When the camera is in ON (monitor mode), press **ON** on the remote controller, the screen displays the “WIFI” connection interface, the indicator light on the remote control flashes rapidly, and the camera has open WIFI, the camera connection interface is as shown below.



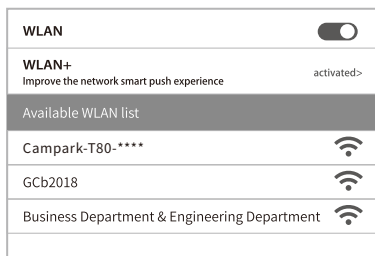
When press the **OFF** button in the remote controller, the WIFI hotspots would be turn Off, and the camera would return to the “ON” monitor mode. Below is the red LED indicate light working mode when in camera on/ connection success/WIFI hotspots turn on and off.

Open the WIFI hotspots	The red LED indicate light would keep flashing
The Mobile Phone connects successfully with the WIFI hotspots	When the Mobile phone connects successfully with the WIFI hotspots, the red LED indicate light would be the state of “on”, if fail to connect with the hotspots, the camera would automatically turn off the hotspots after one minute.
Turn off the Hotspots	When turn off the hotspots, the red LED indicated light would flash 5sec. and then camera would be back to the setting mode.



## 7.4.2 Connecting to WIFI hotspots

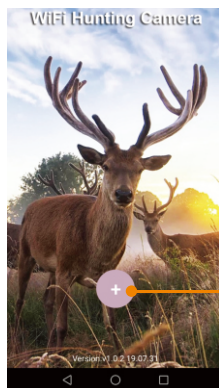
Open the phone "Settings", go to the "WLAN" option in the settings, search for the camera's WIFI name "Campark-T80-\*\*\*\*", and then enter the original password: 12345678. The camera would have a successful connection interface as shown below:



## 7.4.3. Camera APP

Open the "WIFI Hunting Camera  " APP program and click the connect button  on the APP interface.

1. Then the pictures and videos can be previewed in real time on the APP, and can be recorded, photographed, menu set, and file playback /download /delete.
2. You can view it under the open APP interface for photo or video which have been downloaded, you can view the deletion or a single sharing operation.



Connection button  
(camera and Mobile  
phone connection)

Back to upper menu

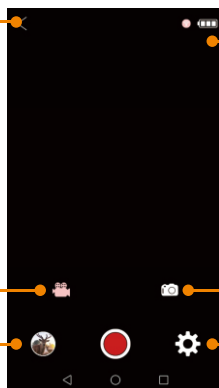
Battery Energy

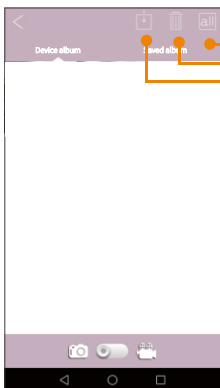
Video Mode

Photo Mode

Files Management

Parameter Settings






Download button  
Delete button  
Select All files button

Switch Button (for photo and video preview switching)

#### 7.4.4. Exit WIFI

1. Press and hold 3S  WiFi button in the camera or OFF button in the remote controller to exit WIFI, the indicator will flash about 5seconds, then the camera will automatically return to SETUP mode or ON mode.
2. Click the red WIFI icon to disconnect WIFI, the indicator will flash about 5seconds, then the camera will also automatically return to “ON” mode or SETUP mode.
3. When the camera is turn on and APP is connected, if there is not any operation within the defaulted “Auto WIFI Off” time. The camera would also automatically exit WIFI function and return back to the ON or SETUP mode.

## 7.5. Aligning the camera

The Test mode is advantageous for determining the best possible detection angle and range of the movement sensor. For this purpose attach the camera at approx. 1-2 m height to a tree and align the camera with a desired direction. Move slowly from one side of the observed area to the other. Move parallel to the camera. Try out different angles and distances.

- The blue LED on the front of the camera indicates that you were detected by a side sensor zone.
- The red LED on the front of the camera indicates that you were detected by a central sensor zone.



In this way you can determine the best position for aligning the camera. The LED only lights up in the SETUP mode as soon as one of the sensors has detected movement. The LEDs do not light up when in Live mode. In order 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. Optimum alignment is in North or South direction. The detection range of the sensors is approx 120°. 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.



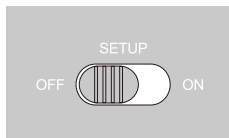
### Note:

- Wildlife Camera corresponds to protection class IP 66. The camera is protected against dust and spray water and can thus be used in any weather condition.

## 7.6. Setting up the Live mode

The standard application of the Wildlife Camera is the Live mode. When 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 status LED flashes for approx. 5 seconds after which the camera operates automatically and enters the Standby mode.



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

Where wild animals enter the

detection range of the side sensors, the sensors detect the movement and activate the camera. As soon as the wild animals move further into the detection range of the central sensor zone, the camera starts to take photos/videos.

Where after movement has been detected by the side sensors no further movement is detected for five minutes, the camera returns to its Standby mode.

### Advantages of PIR sensors (Passive Infrared Sensors)

In order to save on battery power, an infrared camera is normally in Standby mode in which only the main sensor is active. As soon as the central sensor zone detects wild animals, the camera is switched on and starts taking photos. The time between the activation and the start of shooting is referred to as triggering time.

Where wild animals do, however, move past the camera swiftly, it is possible that the photo only shows the rear part of the body or possibly nothing at all. The Wildlife Camera solves this problem due to the unique design of the lateral PIR sensor zone. The combination of the two lateral sensor zones and central sensor zone produces a 100°-120° induction angle, by far exceeding the angle of an individual sensor.

Where wild animals first pass through the detection range of the side PIR sensor zone, the camera is activated and is ready to start shooting after 0.4 seconds.

Where the wild animal then slowly enters the detection range of the central sensor, the camera starts shooting and thus records the entire body of the animal. This process takes approx. 0.2 seconds. Where the wild animal remains only within the detection range of the side sensor zones, the system is designed as follows to prevent the permanent supply of power to the camera:

Where the wild animal does not enter the detection range of the central sensor zone and thus does not trigger the sensor, the camera returns to the Standby mode after 5 minutes. Where triggering incidents occur twice in succession only within the detection range of the side sensor zone, the camera is not activated by the side sensor zone but only by the central sensor zone. At a later stage when the wild animal finally enters the detection range of the central sensor zone and does not move rapidly, the photo (based on the standard reaction time of one second) will probably capture the entire body of the animal.

## 7.7. Night recording

During night recording the infrared LEDs (IR LEDs) at the front of the Wildlife Camera provide the light required for taking photos.

Wildlife Camera uses IR LEDs with a long wavelength, to keep red light to a minimum. The provided number of IR LEDs generates a high deflection angle thus allowing night recording at a distance of 3 m to 20 m, without overexposing the object. Reflecting objects can, however, also cause overexposure within this range (e.g. road signs).

Please note that night recording using IR LEDs produces black and white images.



## 7.8. File format

The Wildlife Camera stores photos and videos on the memory card in the folder "\DCIM\100MEDIA". Photos are given a file name with extension "JPG" (Example: "SUNP001.JPG"), videos, are given the extension ".AVI" (Example: "SUNP0002.AVI").

When in SETUP and OFF mode use the enclosed USB cable to transfer files onto the computer. Alternatively you can insert the memory card in a card reader on the computer.

**The video file can be played with most standard programs, such as Windows Media Player, QuickTime etc.**

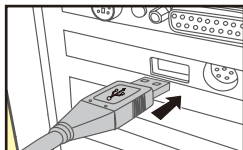
## 8. CONNECTING TO COMPUTER

The Wildlife Camera can be connected to a computer using the supplied USB cables to view existing photos/videos.

### System requirements

Windows	Macintosh
<ul style="list-style-type: none"><li>■ Pentium?III or higher</li><li>■ Windows?XP/Vista/7/8</li><li>■ 512 MB RAM</li><li>■ 1GB available hard disk space</li><li>■ Screen resolution 1.024 x 768 or higher</li><li>■ Available USB connection</li></ul>	<ul style="list-style-type: none"><li>■ PowerPC G3/G4/G5</li><li>■ OS 10.3.9 or newer system</li><li>■ 512 MB RAM</li><li>■ 1GB available hard disk space</li><li>■ Screen resolution 1.024 x 768 or higher</li><li>■ Available USB connection</li></ul>

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 located in the sub folders of the "DCIM" folder.
6. You can copy or move photo and video files on the computer. Alternatively you can insert the memory card in a card reader on the computer.



### Note:

- Mac computers show an "Unknown" drive on the desktop. When clicking on this drive, the program "iPhoto" is automatically started.

## 9. TECHNICAL SPECIFICATION

Image and Video	
Image sensor	2.0 Mega pixels, 1/3" CMOS sensor
Photo resolution	20M(5120 x 3840), 16M(4608 x 3456), 12M (4032 x 3024), 8M (3264 x 2448), 5M (2592 x 1944), 3M(2048 x 1536), 2M (1600 x 1200)
Screen	2.3" colour TFT LCD; 320 x 240 pixels
Lens	F=4.3; F/NO=2.0; Auto IR filter
Triggering time	approx. 0.4 second; Pre boot 0.2 second
Video resolutions	1296P(1728 x 1296, 30fps), 1080P (1920 x 1080, 30fps), 720P (1080 x 720, 30fps), 480P(848 x 480, 30fps), 360P(640 x 360, 30fps)
Effectiveness	Daytime: 1 m - infinite; Night time: 3 m - 20 m
Storage formats	Photo: JPEG; Video: AVI Motion JPEG

Audio	
Microphone	48 dB high sensitivity sound collection
Buzzer	2700HZ, 85dB

Trigger Alarm	
Detection angle of sensors	Central sensor zone: 50°; Side sensor zone: each 30° ; Total sensor angle zone: 120°
Triggering distance	up to 20 metres
PIR Sensitivity	High / Medium / Low



### Data Storage

Recording medium	Supports SD/SDHC memory cards up to 32 GB (optional)
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### Night vision

Day / Night Mode	Day/night, Auto Switching
IR-CUT	Built-in
IR flash	36pcs 850nm infrared LEDs range 20m

### APP

System Requirements	IOS 9.0 or Aandroid 5.1 above
Real-time Video Preview	Only supports AP mode, Direct Video Connection, easy to install and test
APP Function	Installation target, parameter setting, time synchronization, shooting test, power warning, SD/SDHC card warning, PIR test, full screen preview
Quick Parameter Setting	Supported
Online Data Management	Video, Photos, Events: Support online Viewing, Deletion, Download

### Power Supply and Power Consumption

Power supply	8x batteries type LR6 (AA); external 6V power supply, at least 1.5A (not supplied)
Standby time	approx. 6 months (with 8 batteries)

Others	
Spray water protected	Yes (IP protection class66)
Connections	Mini USB 2.0
Dimensions	approx. 135 (H) x 101 (B) x 76 (T) mm



### Note:

- Design and technical specification are subject to change.

## 10. SIMPLE TROUBLE SHOOTING

The camera will not turn on	<ul style="list-style-type: none"> <li>• Please check the batteries if they are installed in proper way.</li> <li>• Check if the battery capacity is low or exhausted. If so, please replace them with new batteries.</li> </ul>
The camera turns off automatically	<ul style="list-style-type: none"> <li>• Please check whether the battery capacity is low or exhausted. If so, try to change new batteries for outdoor using or connect AC adaptor for indoor using.</li> <li>• Please check if SD card is full. If so, transfer images and videos to your computer or delete some files in the Replay Mode.</li> </ul>
It shows “SD card Error”	<ul style="list-style-type: none"> <li>• Please ensure that SD card is with class 10 standard or higher level.</li> <li>• Please use the camera to format SD card at the first time.</li> </ul>
Videos are choppy or jumpy when played on a computer	<ul style="list-style-type: none"> <li>• Ensure that the computer system requirements are met.</li> <li>• Ensure AVI format Video clip can be played on your computer.</li> </ul>
The image is not clear	<ul style="list-style-type: none"> <li>• Please ensure that you removed the protective films on IR LEDs and lens before using.</li> <li>• Please ensure that the lens is not dirty.</li> </ul>

The camera does not take images or record videos	<ul style="list-style-type: none"> <li>• If the memory of SD card is full, transfer images or videos to your computer or delete some files in the Replay Mode.</li> <li>• The memory card is not formatted properly. Format the SD card again or use a new card.</li> </ul>
Camera can not turn off	<ul style="list-style-type: none"> <li>• Once such malfunction occurs, remove all the batteries to reset the camera.</li> </ul>
Forget the password	<ul style="list-style-type: none"> <li>• Please enter the words “OPEN”, in case that you forget the password to start the machine.</li> </ul>

## 11. SYSTEM INFORMATION, MAINTENANCE AND DISPOSAL TRADEMARK INFORMATION

- Microsoft® and Windows® are trademarks of Microsoft Corporation registered in the US.
- Pentium® is a registered trademark of Intel Corporation. Macintosh is a trademark of Apple Computer Inc.
- SD™ is a trademark.

### 11.1. 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.

### 11.2. 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.

### 11.3. Disposal

For disposal, separate packaging into different types and dispose of in line with environmental regulations in supplied collection containers. Batteries and storage batteries may not be disposed of in domestic waste. Consumers are obliged by law to return used batteries to communal collection points or dealers selling batteries. Storage batteries and batteries do therefore contain the adjacent symbol.

Correct disposal of product:

The adjacent symbol indicates that electrical and electronic equipment may not be disposed of in domestic waste in the EU. Please use the returns and collection points of your local council or contact your dealer you purchased the product from. This prevents potentially harmful effects on the environment and health as a result of incorrect disposal. For further information contact the respective department of your local council.

### IF YOU HAVE ANY QUESTIONS OR PROBLEMS.

**Please contact us by**

**USA&Canada**      [support@campark.net](mailto:support@campark.net)

**Europe**      [eu.support@campark.net](mailto:eu.support@campark.net)

**UK**      [uk.support@campark.net](mailto:uk.support@campark.net)

**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.**



