T506 Trail Camera

User Manual

XTU

Hunting Camera with Motion Detection

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IMPORTANT NOTE

Congratulations on your purchase of one of the best trail cameras on the market! We appreciate your business and want to earn your trust. Please refer to the notes below and the instructions in this manual to ensure that you are completely satisfied with this product.

If your camera does not seem to be functioning properly or if you are having photo/video quality issues, please check the Troubleshooting/FAQ section. You also can contact our support team: support@xtucam.com
Problems are often due to something simple that was overlooked, or require only changing one setting to solve.

We recommend using eight good quality alkaline AA batteries in this camera to obtain maximum battery life.

Do not mix old and new batteries Rechargeable batteries are NOT recommended
We recommend using high quality SDHC Cards(up to 32GB capacity) in the camera
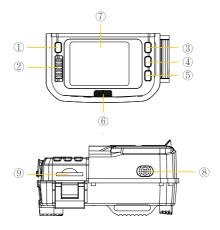
TF high-speed card (multimedia memory card) at Class6 or above is required for this camera.

Instructions for using the memory card

● In case of a newly purchased memory card for the first time use, or data available in the memory card unrecognized for the camera or image captured by other cameras, please ensure to firstly format the memory card;

● Before plugging in or out the memory card, please firstly disconnect power supply of the camera;

● After using for many times, performance of the memory card will be lowered. In case of lowered performance, a new memory card is needed to purchase;

● The memory card is a precise electronic device. Please don't bend it and keep it away from falling or heavy load;

● Don't keep the memory card in the environment with strong electromagnetic or magnetic field, like the place near speaker or receiver of TV;

● Don't use or keep the memory card in environment with over high or low temperature;

● Keep the memory card clean and away from contacting liquid. In case of contacting liquid, please dry it with soft cloth;

● In case of keeping the memory card idle, place it into the card sleeve;

● Please note that the memory card will get hot after long-term use, and this is normal;

● Don't use the memory card having used on other digital cameras. If to memory card on this camera, please firstly format it with the camera;

● Don't use the memory card having formatted on other camera or card reader;

● In case of one of the followings with the memory card, the recorded data may be damaged:

① Improper use of the memory card;

② Disconnect power supply or take the memory card out during recording, deleting (formatting) or reading.

Appearance

1. MODE Key
3. UP Key
5. Down Key
7. LCD
9. SD card slot

2. Pull switch button
4. OK/SHOT Key
6. Battery box button
8. Speaker

Key Functions and Indicators

| Keys	Functions
Power key	Pull switch : ① Off: Shut down ② Setup: Setting mode ③ ON : Monitoring mode
MODE key	① Short press to switch back and forth between recording, taking photos, playback, menus ② In the submenu, short press to return to the previous menu
Up key	① In the menu setting mode, you can select 'up button ' ② In the time setting or password protection interface, you can select the number up
OK/SHOT	① In the video or photo interface, short press to take pictures and videos ② Under the menu settings, short press to OK
Down Key	① In the menu setting mode, you can select 'down button ' ② In the time setting or password protection interface, you can select the number down ③ In playback mode, long press the button to pop up the delete menu, select single delete, delete all

Getting started
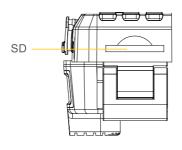
1.Battery/Adapter

Please make sure to place batteries in the camera before using.

① First open the electric box button, take out the battery box, and put 8 X1.5V AA batteries into the battery slot, pay attention to the correct polarity of the battery.

② If the adapter (not supplied) is used for power supply, open the round rubber seal on the base plate and connect the plug of the adapter cable into the socket.

2.Inserting memory card

① Insert the memory card as indicated by the icon into the slot until the card totally inside.

② To remove the memory card, gently press the edge of the memory card until it pops out.

SD

System settings

1. Power on and off/ System settings

After placing the batteries into the camera, put the operating mode selector switch to 'TEST' position to make the settings described on the following pages. In TEST mode, the infrared lamp is closed.

① To put the operating mode selector switch from 'OFF' to 'TEST', the camera is on.

② Press MODE key to switch back and forth video, photo, playback and menu modes.

③ Press OK to save the Settings under menu Settings. In the interface of recording or photographing, short press to take pictures or record videos.

④ Press the MENU key one more time to return to previous menu or exit the menu settings.

⑤ Put the operator mode selector switch to 'OFF' to power off the camera.

2. Working modes

There are three working modes in the camera: Photo mode, Video mode, Photo+Video mode.

① Photo mode

Select a photo size: 24MP, 20MP, 16MP, 12MP, 8MP, 5MP, 3MP. The larger the file size is, more detailed the photos are. However, the larger size files take more memory space to store.

② Video mode

Select the video resolution: 1080P, 720P, WVGA,VGA. The higher the resolution is, more detailed the videos are. However, the larger size files take more memory space to

③ Photo+Video mode

In Photo+Video mode, the camera first takes a photo and then starts filming video.

⚠️ Note: The camera would enter power save mode and screen turns off when recording. The screen could be turned on by pressing any keys on the camera.

3. Video length

The video length is optional between 3-60seconds or 1-3 minutes. The longer the recording time selected, the shorter the operating time is. The preset video length is 5 seconds.

4. Shot lag

The shot lag time can be selected between 5-60 seconds or 1-60 minutes.
During the selected interval, the camera will not record any images or videos. It prevents the memory card from being filled up with too many recordings of the same event.

5. Sensitivity of the motion sensors

The sensitivity of the main motion sensor is set here. For interior areas and environments with little interference, select 'High'. Select 'Medium' for exterior areas and environment with a normal amount of interference, and select "Low" for a environment with a high level of interference.

6. Target recording time

Here is to set the target recording time of the camera. Press 'MENU' to find '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 setting time every day. Beyond the period, the camera is in standby.

7. Time lapse

Here to set Time lapse shooting. 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 setting time interval.

8. System time setting

Here to set the date format. Press 'MENU' to find 'Time & Date'. Press 'OK', then select 'ON' to make 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 format: 12/24hr
Date format: dd/mm/yyyy, yyyy/mm/dd, mm/dd/yyyy

9. Password Setting

Set the camera's power-on password, open the menu selection to password settings, and press OK. Set the switch to 'ON' to set a 4-digit number between 0-9. If you forget the power-on password, press the OK+Up button while the camera is turned off, and turn the mode button to TEST mode. Unlock.

10. Serial NO

To set A unique serial number for the camera, open the menu and select the serial number setting. Then press OK, switch to 'ON', and set A 4-digit combination of digits or letters between 0-9/A-Z.

11. Playback

Remove the camera from the installed position, turn the switch to 'TEST' and press the MODE button to switch to playback mode. Press the Up/Down button to view the picture or video you have taken. When playing back the picture, press the Up/Down button to view the picture. When playing back the video file, press the OK button to start playback, then press the OK button to stop the broadcast.

① Delete selection

With this function, you can delete the currently selected picture or video in the camera's memory card; in playback mode, long press the button, select 'File Delete' and then select 'Delete Single' and press OK to confirm.

② Delete all recordings

With this function, you can delete all the pictures or videos in the camera's memory card; in playback mode, long press the button, select

'File Delete' and then select 'Delete All', press OK to confirm.

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.

④ 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.

Operating Principle

1. Aligning the camera

In test mode you can work out the optimum exposure angle and the range of the motion sensor.

① During alignment consider whether the use of the side motion sensors may be useful for attaining the desired observation results.

② Align the camera as follows:

● Fasten the camera to a tree or similar object at a height of 1-2 meters and align the camera in the desired direction. Then move slowly from one side of the target area to the other side. While doing this, monitor the motion display.

● If this lights up in blue, you have been detected by one of the activated side motion sensors. If it lights up in red, you have been detected by the front motion sensor. In this way, you can work out the best alignment for the camera.

● The motion display only lights up when operating mode selector switch is in the TEST position and one of the motion sensors has detected movement. During normal operation, there will be no LED display in this area.

● To ensure that the camera doesn't make unwanted recordings of irrelevant movements, it should not be set up in a sunny location or close to branches. The detecting range of the sensors is 110°. And the recording angle of the camera is about 100°.

2. Normal working mode

In this mode, recordings are triggered via the motion sensors. To set live mode, slide the operating mode selector switch to the 'ON' position. After 5 seconds, the LED of motion display will go off. Then the camera will start to operate independently and will go into standby mode. As soon as any wild animals or similar enter the detecting range of the side motion sensors, the camera will be activated and detect the motion. If the wild animal keeps moving to the detecting range of the central sensor zone, the camera will start capturing photos and/or videos (depending on the configuration).

3. Night working mode

① During night exposures the infrared LEDs on the front of the camera provide the required light for taking pictures. The range of the LEDs makes the camera to shooting pictures within 3m-20m. However, reflective objects can cause overexposure.

② Please note that pictures taken in night exposures are black and white. When recording a video for a long time, the low voltage may have great influence on the stability of the camera. So in case of the low voltage, it better not to record in the evening.

Videos/photos/dates output

1. TV connections

The camera can transfer the video signal to an external
monitor or the video input of a television set. Please also
follow the instructions of the respective playback device.
① Open the TV, connect the TV with the camera through date
cable.
② Open the camera, and slide the operating mode selector
switch to 'SETUP'.
③ After connecting, the camera enters the mode of playback
and the LCD turns off. What the camera captured would be
shown on the TV.

2. Transferring recordings to a computer

Connect the camera with the computer through the cable.
After successful connection, there would appear a new driver
named mass storage on the computer. Photos and videos can
be found in 'DCIM/100MEDIA' in the mass storage and can be
copied to the computer.

⚠️ Note: In case of data loss, please don't disconnect the cable or
take out the memory card when copying photos/videos.

Technical Specifications

Image sensor	5MP CMOS sensor
Function modes	Video recording/Photo/Playback
Lens	F2.5 f=3.6mm
LCD	2.0 inch LCD
Photo resolution	24MP, 20MP, 16MP, 12MP, 8MP, 5MP, 3MP.
Video resolution	1080P, 720P, WVGA, VGA
Memory type	TF card (up to 32GB max)
File format	JPEG, AVI
connection	USB 2.0
Power	6.0V
language	English/Chinese/German/French/Italy/Spanish Portuguese/Nederlands/Japan/Dansk/Svenska
OS	Windows XP/Vista/7/8, Mac 10.2
Dimension	83×136×65mm

Troubleshooting / FAQ

Q1. Camera takes continuous images of no subject.
A camera has what is known as a "false trigger" if the PIR sensor thinks that there is motion and heat in front of the camera lens when there is no subject in the image. These "False Triggers" are the result of placing the camera in an environment where there is motion associated with tree branches creating motion in front of the camera or an area where there is high heat in the foreground and any motion from wind could set off the camera. Setting a camera up over water is also a potential cause for this issue.

To remedy this situation:
① Try moving the camera to an area that does not have any of these issues or try changing the sensor level on the menu settings.
② If the camera continues to take images when there is no subject in them, try placing the camera in an inside environment and aiming at a location where there is no motion.
③ If the camera continues to show issues, then there is probably an electronic component issue. If this is the case, please contact our customer service to send the camera back for repair.

Q2. Battery life is shorter than expected.

① Battery life will vary with operating temperature and the number of images taken over time. Typically, the camera will be able to capture several thousand images before the batteries die.

② Check to make sure you have used new alkaline batteries. We recommend using eight good quality alkaline AA batteries in all cameras to obtain maximum battery life.

③ Make sure that the power switch was turned to the 'ON' position and that the camera was not left in 'SET' mode while in the field.

④ Make sure that you are using a good quality name brand SD card in your camera. We recommend good quality SD Cards UP to 32GB. Our experience indicates that poor quality SD cards can sometimes reduce your camera battery life.

Q3. Camera stops taking images or won't take images.

① Please make sure that the SD card is not full.
The default option is Stopping saving when full, the camera will stop taking images if SD card is full. You may select Cycle storage. Cycle storage means loop recording. when the SD card is full, new pictures and videos will overwrite the front of the SD card and write from scratch.

② Check the batteries to make sure that they are new alkaline AA batteries. See note above about short battery life.

③ Make sure that the camera power switch is in the "ON" position and not in the 'OFF' or 'SET' modes.

④ Make sure that you are using a good quality SD card in your camera. We recommend SD Cards UP to 32GB.

⑤ If the SD card has its write protect switch in the lock position, the camera will not take images.

⑥ If you have used an SD card in another device before inserting it in your camera, you might want to try formatting the card using the "Format" parameter in SET mode (make sure you have backed up any important files first, as formatting will erase all previous files). In some cases, other devices may change the formatting of the SD card so that it will not work properly with the camera.

Q4. Camera won't power up.

① Make sure that you have installed four or eight batteries in the battery compartment, filling battery all spaces with no 'gaps'. We recommend using eight high quality alkaline AA batteries in all cameras.

② Make sure that the batteries are installed correctly, observing proper polarity. Always place the negative (flat) end of each battery in contact with the spring side of its slot inside the camera.

③ After moving the switch from 'OFF' to 'SET' or 'ON', make sure that the switch is correctly in position to ensure the proper mode (avoid positions 'between' two modes).

Q5. Still Photo and/or Video Qualify Problems.

① Night photos or videos appear too dark

● Check the battery indicator icon to see if battery power is full. The flash will stop operating near the end of the battery life.

● You will get the best results when the subject is within the ideal flash range, no farther than 65' (20m) from the camera.Subjects may appear too dark at greater distances.

● Please note that when the Capture Number parameter is set higher than "1 Photo", or with very short Interval settings,

some images may appear darker than others due to the quick response and rapid retriggering of the camera, allowing less time for the flash to fully recharge before firing again.

② Night photos or videos appear too bright
● You will get the best results when the subject is within the ideal flash range, no closer than 10'(3m) from the camera. Subjects may appear too light at closer distances.

③ Daytime photos or videos appear too bright
● Make sure that the camera is not aimed at the sun or other light sources during the day.

④ Photos with streaked subject
● In some cases with low lighting conditions and fast moving subjects, the 8MP or 12MP or 16MP resolution settings may not perform as well as the 3MP setting.
● If you have multiple images where fast moving subjects produce streaks on the photo, try the 3MP setting instead.

⑤ Red, green or blue color cast
● Under certain lighting conditions, the sensor can become confused resulting in poor color images.
● If this is seen on a consistent basis, then the sensor may need servicing. Please contact our customer service.

⑥ Short video clips—not recording to the length set
● Check to make sure that the SD card is not full.
● Make sure that the camera has good batteries in it. Near the end of the battery life, the camera may choose to record shorter video clips to conserve power.

Q6. Date/Time Stamp not appearing on images.
Make sure that the 'Date Stamp' parameter is set to
'Date/Time' .

Q7. Photos Do Not Capture Subject of Interest.
① Check the 'Sensor Level' (PIR sensitivity) parameter
setting. For warm environmental conditions, set the Sensor
Level to 'High' and for cold weather use, set the sensor for
'Low'.
② Try to set your camera up in an area where there is not a
heat source in the camera's line of sight.
③ In some cases, setting the camera near water will make the
camera take images with no subject in them. Try aiming the
camera over ground.
④Try to avoid setting the camera up on small trees that are
prone to being moved by strong winds.
⑤ Remove any limbs which are right in front of the camera
lens.

Q8. PIR Sensor LED Flashes/Doesn't Flash.
① When the camera is in the 'SET' mode, a special LED on
the front of the camera will flash when it senses motion. This
is for setup purposes only and will help the user aim the
camera.
② During use, the LED will not flash when the camera takes
an image. This is to help keep the camera hidden from game.

Q9. Camera won't retain settings.
Make sure that you have been saving the changes to any
parameter settings that you made while in SET mode, by
pressing 'OK' after changing the setting, if you don't save
your new setting after changing it, the camera will continue to
use the original default setting for that parameter.

CUSTOMER SUPPORT

support@xtucam.com