

# OSMO VisionHunter Tracking Camera User Manual

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# osmo

## VisionHunter

User Manual



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## Information

This tracking camera(also known as a search or hunt camera) is a search device. It is equipped with a PIR pyroelectric infrared sensor with high sensitivity. When a human body (or animal) moves and causes the temperature change of the external environment, it will be triggered by induction, and automatically capture pictures or record high-definition video.This camera can realize more applications by setting timing, interval interval and other functions.

## Main Features

1. 90 degree camera lens
2. Optional high resolution of 0.3m, 1.3m, 3m, 5m, 8m and 12m, 16m pixels
3. The time of triggering to capture the picture can reach 0.8 seconds.
4. Builtin 2.0-inch TFT color display which can display pictures and videos
5. Support high-speed TF
6. Waterproof grade: IP 66
7. Operating temperature range:-20°C~70°C
8. Builtin 38 infrared lights; 1 white red-light
9. Date, time, temperature and phase of the moon can be imprinted on the picture
10. In the "photo+camera" mode, the camera can capture pictures and camera at the same time each time it is triggered.
11. Through the time interval setting, the camera automatically captures pictures and videos at a Rsepfecrifeiendcteime interval. It is very useful for observing the flowering of plants, nesting of birds, unattended areas or courtyards. This feature, together with timer, can meet your time requirements
12. Super long battery stand by time(with 8AA batteries in standby mode, it can last for 6 months).
13. The serial number setting function allows you to print the code on the photo. This helps users of multiple cameras to identify the location when browsing photos in the ring.
14. Password lock protection can be set 15. Automatic switching between day and night, color photos taken in daytime, black and white photos taken in nighttime

## **Application**

1. It can be used as the track of hunting, animal movement or habit
2. It can be used for wildlife observation and research, capturing videos and pictures of wildlife.
3. Use as sports camera for driving, camping or exploration.
4. Used as surveillance camera for home, office, and community.
5. Used as indoor and outdoor spaces where evidence of invasion needs to be obtained.

## **Illustration**

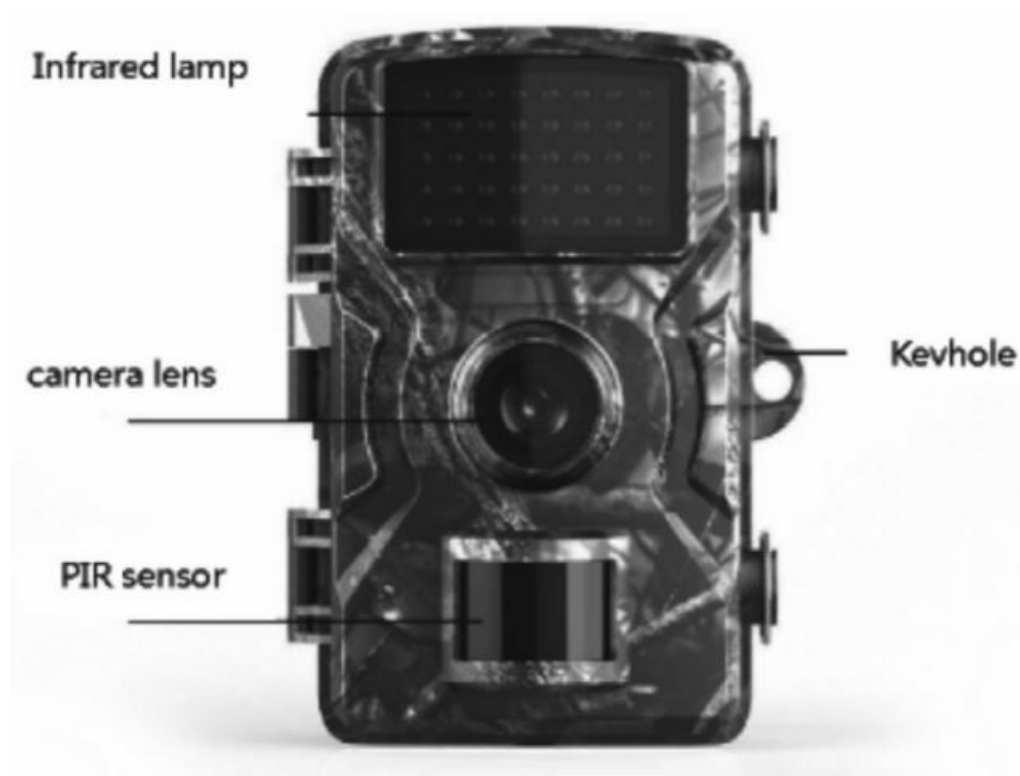


Figure 1-1 front view



Figure 1-2: rear view



**Figure 1-3 internal view**

1. This camera provides the following device connections: USB interface, TF card slot, and external DC power socket  
Select: OFF/TEST/ON
2. LED light indication: red indicates PIR monitoring: A white light flashes once, and a red light captures a picture or video.

## **Quick Start**

### **Battery**

In terms of power supply, it is recommended to use No. 5 battery to ensure that the positive and negative poles of the battery match the symbol mark of the housing. If you don't use the camera for along time, please take out the battery in the camera to prevent the camera from being damaged by leakage;

In addition, the camera can also work in the external DC power supply(5V/2a), solar cells, etc. In "test"mode, when the battery power is low, "battery low" will be displayed on the display.

### **Insert TF Card**

The camera has no built-in memory, so it can't work without a TF card. It support high-speed TF card.

### **Set "test" mode**

The camera has no built-in memory, so it can't work without a TF card. It support high-speed TF card.

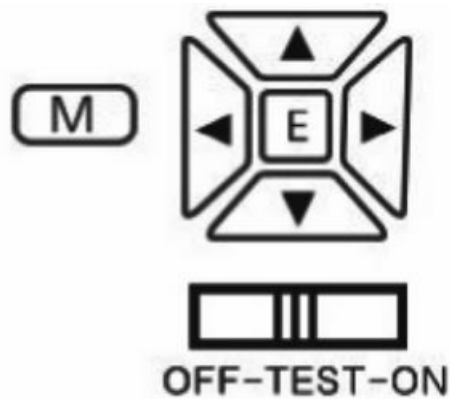


Figure 2.1: key recognition

Press "M" to bring up menu options and exit the menu

Press " " button to enter the video mode, move up in the menu mode, and press up to turn pages in the playback mode.

Push " " to go into photo mode, and "push" to move down in menu mode; Short press to turn page in playback mode. Press "M" to enter the menu mode for setting change, and press "E" to confirm setting change " ":

In the state of photo/video short by executive photo/video; In the playback state, press this button to exit the shooting mode, and press this button in the menu interface to move to the left.

When setting parameters in the menu state, press this button to move right E " : tap to enter playback mode in photo/video status, and tap to play video while In video file Off/test/ON: turn Off the machine; Dial to the TEST machine in the TEST mode to TEST the various functions of the machine; 5 seconds after you dial the machine in ON mode, it will automatically enter the standby state. When the PIR detects that there is a pedestrian or object moving in front of it, it will automatically work (take photos/video) . USB: when the machine is dialled to the OF For ON mode, it can be connected to the computer as the USB disk mode.

### Enter real time mode

When the switch is in the "on" position, it will enter the real time mode. At the same time, it will start to work without manual operation of the camera. When the prey or other objects enter the PIR sensing area, they will immediately take photos or record videos.

If the prey wanders away from the PIR sensing area, the camera will turn off the power and enter standby mode. explain: In general, it is recommended that you place the camera 3 to 6 feet off the ground.

Note: to avoid potential false triggering due to temperature and monitoring interference, do not aim the camera at a heat source (e.g. the sun) or close to a tree trunk. Ideally, move north or south, away from the branches near the front of the camera.

### Advanced settings

The tracking camera has factory settings. You can change the settings as required. Please make sure the camera is in the setting mode.

### Parameter Setting

Pattem	photograph Camera Photo+Video	Choose to take a picture or video.In cam + video mode, first take a picture, then take a video
Language family	get into	English,Chinese (Simplified)
Picture size	16MP 12MP 8MP 5MP 3M 1.3M 0.3M	Select the required image pixel, 0.3mp-16mp is optional, the image quality will be better with higher resolution, but the occupied TF space will be larger, so it will take a long time for larger files to be written to the TF card, which will slightly reduce the shutter speed



Video size	1080FHD 1920 x1080 720P 1280 x720 WVGA 848 x480 VGA 640x 480	Select the video resolution (pixels per frame), the video quality of the higher resolution will be better, but the created file will occupy a larger space capacity of the TF card
Video length	AVI 10 seconds Options from 10 seconds to 3 minutes	AVI format video can be played back on most video players
Interval	5 seconds Options from 5 seconds to 30 minutes	Select the shortest time interval for the camera to wait, and the PIR sensor will be triggered as soon as the prey appears. In the selected compartment, the camera will not capture or take pictures, which can prevent the TF card from storing too many redundant pictures

Set date /time	Get into	Select date/time from the menu and press "ENTER" to set the date
Time watermark	Open shut	If you want to have a date/time watermark on each image, you can choose a time watermark. Select "off" and there will be no watermark on the image
Timer	Open shut	If you want to work at a certain time of the day, you can choose "on"
Password settings	Open shut	Set a password to protect the camera from unauthorised users
Serial number setting	Open shut	Select on to assign a serial number to your camera. You can use a 4-digit combination to record pictures from a location.

Video recording sound	Get into	The default setting is on. When it is on, the camera can record. Otherwise, there is only silent video
format	Yes no	When formatting the TF card, all files will be deleted. When your TF card has been used on other devices, it is strongly recommended to format the TF card.
Restore factory settings	cancel confirm	Press the "e" key briefly to restore the factory settings
Edition	Get into	View by camera version

#### **File format**

The pictures and videos of the camera are stored in the folder of DCIM100 media in TF card. The image file name is saved as imag0001.jpg, and the video file name is saved as imag0001. AVI In "open" mode, you can download these files to the computer using the USB data cable provided, or you can put the TF Card in the reader and insert the computer to browse the files in the U disk. AVI video files can be played on most multimedia devices, such as windows media player quick time, etc

#### **Guarantee**

We guarantee that our products are free from defects in materials and workmanship during the original purchase date. This warranty does not cover damage caused by users, such as misuse, abuse, improper operation or installation, or repair by unauthorised technicians.

During the warranty period, we will repair your camera free of charge or replace it with the same or similar model according to our choice. This warranty only applies to the original retail buyer of our authorised distributor. Please ask for a warranty card when purchasing. Any replacement product provided under the original warranty shall be warranted for the period applicable to the original product.

This warranty only applies to malfunctions caused by defects in materials or workmanship in normal use. Normal wear of the product is not included. If you return the product within the warranty period, please contact your seller or our dealer.

## Technical parameters

Model	DL001
image sensor	1.3 megapixel color CMOS
Max pixel	4000x3000
Camera lens	Fixed lens(angle depends on lens)
Infrared lamp	940nm infrared lamp
LED display	2.0 "TFT" color display
Key	6 key, third gear switch
Storage	TF card (up to 32GB capacity supported)
Picture size	16M、12M、8M、5M、3M、1.3M、0.3M
Video size	1920x1080,1280x720,848x480,640 x480



PIR sensing distance	Within 10 meters
Working mode	Day and night
Trigger time	0.8 seconds
Number of consecutive photos	1~ 3 page
Video length	10 seconds to 3 minutes
Photo+Video	Take a picture first and then take a video
Password	4 digits
Equipment serialnumber	4 digits
Video recording sound	On/off
Language family	Chinese (Simplified / traditional) , English
PowerSupply	4 x AA, expandable to 8 x AA

Standby current	<0.15mA
Standbytime	4-8 months(4 x AA-8 x AA)
Automatic shutdown	Of f/ 3 minutes / 5 minutes / 10 minutes
Power consumption	180mA (1000mA when the external light is on) , at DC 6V
Low power reminder	4.5V
Interface	USB、 TF card slot
Install	Strap or tripod
Degree of protection	IP66
Working temperature	-20°C ~ + 70°C
Working humidity	5% ~ 95%
Edition	DL0001+date

## Appendix II: FAQ

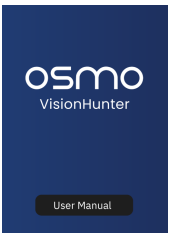
Problem	answer
Forget password/super password	When you forget your password, enter the super password "pass" to open it.
Power consumption	180mA (1000mA when the external light is on) , at DC 6V

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 Have any questions or need further assistance?  
 Send us an email at [support@osmo-official.net](mailto:support@osmo-official.net) and we will be happy to help!

## Documents / Resources

	<p><a href="#">OSMO VisionHunter Tracking Camera</a> [pdf] User Manual          VisionHunter, VisionHunter Tracking Camera, Tracking Camera, Camera</p>
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## References

- [official.net](http://official.net) - This website is for sale! - Official Resources and Information.
- [osmousermanual.com](http://osmousermanual.com)

