



# User Manual

## **Introduction**

Congratulations on the purchase of your new device. You have selected a high-quality product. The operating instruction is one constituent of this product. It contains important information about safety, use and disposal. Before using the product, familiarise yourself with all operating and safety instructions. Use this product only as described and only for the specified areas of application.

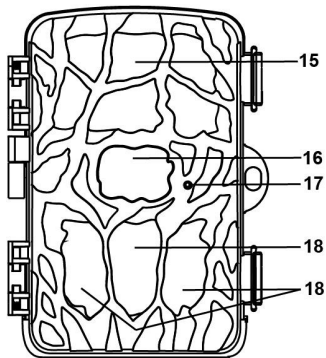
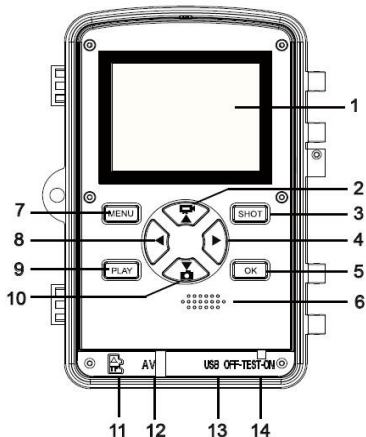
## **Safety**

Please read below safety precautions carefully before using the camera.

- Do not try to disassemble the product case. Only authorized technician can repair the product.
- The camera will be hot after using for too long time. This is normal.
- Please use the accessory provided by our factory.

# Parts Of The Camera

1. Display Screen
2. Up/Video Button
3. Shot Button
4. Right Button
5. OK Button
6. Speaker
7. Menu Button
8. Left Button
9. Playback Button
10. Down/Capture Button
11. Micro SD Card Slot
12. AV Jack
13. USB Jack
14. OFF-TEST-ON Mode Button
15. Infrared LEDs
16. Lens
17. Status Indicator
18. PIR Sensor



## Power Supply

Please install batteries before using the camera.

- ◆ Open the camera case and remove the battery cover. Install 8 pieces of 1.5V AA batteries. Please make sure the electrode is correct.
- ◆ If the camera is in low power, please connect the camera to a power adapter(not provide) for power supply.

## Inserting Storage Media

Please prepare a Micro SD card and insert it into the camera for saving more files. Before recording, please format the memory card first.

- ◆ Support Micro SD card, up to 256GB. Suggest to use class 6 or above high speed card.
- ◆ To avoid malfunction, the memory card should be far away water, strong vibration, dust, hot source and direct sunlight.
- ◆ Do not insert the memory card forcibly. Please refer to the marking on the camera.
- ◆ For the first time use, please wait for the memory card temperature reach the ambient temperature. The camera will be short-circuit influenced by environment temperature and humidity. Please notice protection for the camera when using it outdoor.
- ◆ If the capacity of memory card is full, the camera will stop recording automatically and the LEDs will go out.
- ◆ Press the edge of the card gently to pop-up the TF card.

## **Basic Operation**

### **Turn On And Off The Camera**

Switch the Mode Button to “Test/On” to turn on the camera.

Switch the Mode Button to “Off” to turn off the camera.

### **System Setup**

Switch Mode Button to “Test”, then you can set the system parameters.

1. Press Video/Capture button to switch between these two modes.
2. Press Menu button to open the setup menu.
3. Press Up/Down button to scan all menu. Then press OK button to enter the options interface.
4. Press Up/Down button to scan all options. And press OK button to confirm options.
5. Press Menu button again to turn back to last menu or exit the setup menu.

Setup menu and functions are as below:

#### **Mode**

Set the working mode. In capture mode, the camera just take pictures. In Video mode, the camera just record video. In capture&video mode, the camera will take a photo first, then start to record video.

Options: **【Photo】** / **【Video】** / **【Photo&Video】** .

#### **Photo Resolution**

Set the still image resolution.

Options: 【20MP(5200x3900P)】/【16MP(4608x3456P)】  
/ 【12MP(4000x3000P)】 / 【8MP(3264x2448P)】 /  
【5MP(2592x1944P)】 / 【3MP(2048x1536P)】 /  
【1MP(1280x960P)】 .

## **Photo Series**

Set the photo number of continuous shooting. In photo mode, the camera will take photos continuously.

Options: 【1 photo】 / 【2 photos in series】 / 【3 photos in series】 / 【10 photos in series】 .

## **Video Resolution**

Set the video resolution. The bigger the resolution is ,the longer the video time can be stored.

Options: 【3480x2160P】 / 【2688x1520P 20fps】 /  
【1920x1080P】 / 【1280x720P】 / 【1280x720P 60fps】 /  
【848x480P】 / 【720x480P】 / 【640x480P】 / 【320x240P】.

## **TL Video Resolution**

Set the resolution of time lapse video .

Options: 【5200x3900P】/【4608x3456P】/【4416x3312P】  
/ 【4000x3000P】 / 【3648x2736P】 / 【3264x2448P】 /  
【3072x2304P】 / 【2592x1944P】 / 【2048x1536P】 .

## **Video Length**

Set the duration of recording a video clip. The shortest time is 3 seconds and the longest time is 10 minutes.

Options: 3 seconds~10 minutes.

## **Audio Recording**

Open this function, the camera will record audio when recording video. Options: **【On】 / 【Off】** .

## **Shot Lag**

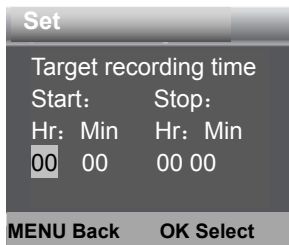
Set the time of delay shooting when the camera detects the motion. Within the selected time, the camera will not record any image or video. It can avoid to store too much same events and save more capacity. Options: 5 seconds~60 minutes.

## **Sensitivity Motion Sensors**

Set the sensitivity of the sensors. Environmental impact is small indoors, you can choose “Low”. In outdoor, choose “Middle” in normal condition. Choose “High” if the environment impact is huge outdoors. The temperature can also influence the sensor sensitivity. “High Sensitivity” applies to mild environment. ” Low Sensitivity ” applies to cold environment. Options: **【Low】 / 【Middle】 / 【High】** .

## **Target Recording Time**

Set the target recording time. As shown in below picture, you can set the start and stop time. The camera will work just in the stated time slot. In other time, the camera will keep in standby state. Options: **【On】 / 【Off】** .

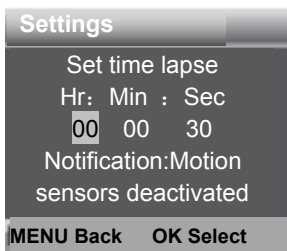


## Time Lapse

In Time lapse menu, there are three options as below.

**[Normal]:** The camera will take pictures automatically as per set time interval. For example, set the interval time to 1 hour, the camera will take a photo each hour. If you want to observe that a plant blooms, the camera will take 24 photos in 24 hours to record the whole process of blooming.

**[TL Video]:** You can set the interval time. The time range is from 1 second to 24 hours. For example, set the interval to 1 hour, the camera will take a photo each hour. If the camera works for 24 hours, there will be 24 photos. These photos will be converted into a video.





**[Off]:** Close the time lapse function.

## **Language**

Set the language display on screen.

Options: **【English】** / **【German】** / **【Danish】** / **【Finnish】** / **【Swedish】** **【Spanish】** / **【French】** / **【Italian】** / **【Dutch】** / **【Portuguese】** / **【Simplified Chinese】** / **【Traditional Chinese】** / **【Japanese】** .

## **Endless Capture**

Activate this function, the camera will record video in loop.

Options: **【On】** / **【Off】** .

## **Time & Date**

Set the date and time of camera.

The date format: dd/mm/yyyy, yyyy/mm/dd, mm/dd/yyyy.

The time format: 24h, 12h.

Press Left/Right button to choose the item.Press

Up/Down button to adjust the value. And press OK button to confirm.

Options: **【Set time&date】**/**【Time format】**/**【Date format】**.

## **Photo Stamp**

Stamp the date&time on the photos or not.

Options : **【Time&date】** / **【Date】** / **【Off】** .

## **Password Protection**

Set the power-on password of the camera. The password is four digits, each digit ranges from 0 to 9 or A to Z.

If you forget the password, please reset the camera. Then all parameters will reset to the factory settings.

Options: 【On】 / 【Off】 .

## **Beep Sound**

Open/close the button sound. Options: 【On】 / 【Off】 .

## **Format Memory Card**

Formatting the memory card will delete all data permanently. Before using a new memory card or a card that has been used in another device previously ,please format the memory card.

Options: 【Yes】 / 【No】 .

## **Serial NO.**

Set the unique serial number for the camera. The number is four digits, each digit ranges from 0 to 9 or A to Z.

Options: 【On】 / 【Off】 .

## **Reset Settings**

Restore the camera to factory default settings including password,serial number and so on.

Options: 【On】 / 【Off】 .

## **Version**

Look up the Firmware information of the camera.

## **Take Photos,Record Video,Playback**

Switch the Mode Button to “Test”. In this mode,you can take photos, record video and playback files manually.

◆ Take Photos: Press Capture button to switch to photo mode. Press Shot button to take a picture.

◆ Record Video: Press Video button to switch to video mode. Press Shot button to start to record a video clip. Press Shot button again to stop recording.

◆ Playback: Press Playback button to enter the playback interface. Press Up/Down button to scan photos or video. When playback video, press OK button to play the video. Press OK button again to have a pause. Press Menu button to stop playback. Press Playback button again to exit the playback mode.

Playback Menu:

1) Delete current file: Delete the current photo or video.

Options: **【Cancel】 / 【Delete】** .

2) Delete all files: Delete all photo and video files in the memory card. Options: **【Cancel】 / 【Delete】** .

3) Activate slide show: Playback the photos in slide way. Each photo display 3 seconds. Press OK button to stop playing.

4) Write protect: Lock the file. It can avoid accident deletion. Options: **【Write-protect current file】 /**

**【Write-protect all files】 / 【Unlock current file】 / 【Unlock all files】** .

## **Aligning the camera**

In test mode you can adjust the optimum exposure angle and the range of the motion sensors .During alignment, consider whether the use of the side motion sensors may be useful for attaining the desired observation results. You

can activate/deactivate the side motion sensors using the above-described menu.

Please adjust the camera as follows:

1. 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.
2. When the sensor detects a moving object, the light turns blue. When the camera goes into working mode, the indicator lights turn red and flash. In this way, the camera can be adjusted to the best position.

## **Working Mode**

Switch the Mode Button to “On”. After turn on the camera, the screen will display 15 seconds countdown.

Then the LEDs and screen will go out. The camera begins to operate independently and enter standby mode.

If the wild animals enter the detection range of the motion sensors, the camera will be activated and detect the motion trail.

If the wild animals continue to move to the detection zone of the sensor, the camera will take photos or record video automatically.

When the wild animals leave the detection zone of the sensors, the camera will be deactivated and turn back to standby mode.

## Using the wall bracket

You can mount the camera permanently on a wall or tree using the supplied wall bracket. Before mounting the wall bracket you should ensure that all existing screws are tight. The best installation height distance from the ground about 1 meter.

### Components

1. Tripod screw
2. Lock nut
3. Pivot bolts
4. Drill holes
5. Hexagonal screw
6. Wall plugs
7. Screws



### Mounting the wall bracket

#### Required tools

- Drill
- 6 mm masonry/concrete drill bit
- Phillips head screwdriver

#### CAUTION

- ▶ Ensure that there are no electric lines, water or heating pipes installed at the proposed drilling location.

► The supplied wall plugs are only suitable for mounting on concrete and stone. Before starting the installation, please check your installation location carefully for its suitability for the plugs.

The assembly material used must be suitable for the respective location. If in doubt, consult a professional.

### **Install Steps**

- ◆ Mark the drill holes by holding the foot of the wall bracket at the desired mounting location and marking the hole positions.
- ◆ Use a drill with a 6 mm drill bit to drill the required holes and insert the plugs and insert the wall plugs flush with the wall.
- ◆ Screw the wall bracket to the wall using the supplied screws .
- ◆ Mount the camera on the tripod screw and screw the camera a little way on (about three turns).
- ◆ Turn the camera in the desired direction and lock it with the lock nut .
- ◆ To move the camera into its final position, undo the two pivot bolts a little, position the camera and fix the position by tightening the two pivot bolts .

### **Connecting To TV**

The camera can transfer the video signal to an external monitor or a television. Please follow below instructions to operate.

Connect the camera to the TV via provided AV cable.

2. Turn on the TV and set it to AV mode.

3. Turn on the camera, switch the Mode Button to "Test".

4. Once connection is successful, the camera will enter playback mode and the screen turn black. The image will show on the TV.

## **Download Files To The Computer**

There are two ways to download files from the memory card to a computer:

By inserting the memory card into a card reader

By connecting the camera to a computer using the supplied USB cable.

### **Using a Card Reader**

1. Pop-up the memory card from the camera and insert it into a card reader. Then connect the card reader to a computer.

2. Open [My Computer] or [Windows Explorer] and double-click the removable disk icon that represents the memory card.

3. Copy image or video files from the memory card to your computer.

### **Connecting the Camcorder to a PC by the USB Cable**

1. Connect the camera to the computer via USB cable. Turn on the camera, the screen will display "MSDC".

2. Open [My Computer] or [Windows Explorer].

A "Removable Disk" appears in the drive list. Double-click

the "Removable Disk" icon to view its contents. All files are stored in the folder named "DCIM".

3. Copy the photos or files to your computer.