

Ork Hunter
TLC-1 Time-lapse camera

User Manual

Ork Hunter

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1. Product overview

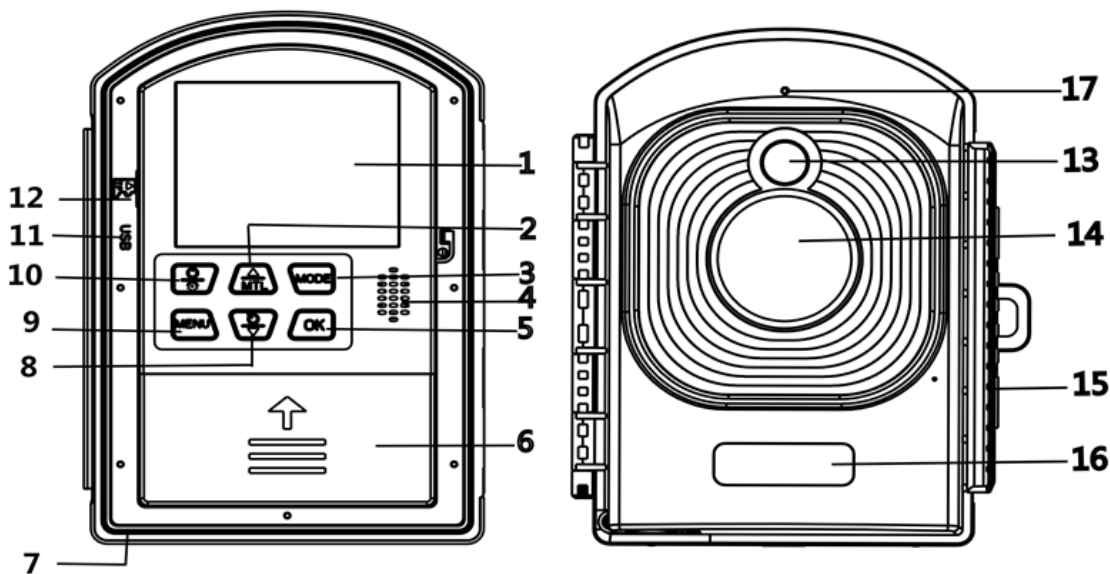








Fig.1. Product overview

1. Display Screen
2. Up Button / Manual Time-lapse Button
3. Mode Button
4. Speaker
5. OK button
6. Battery compartment
7. DC Jack
8. Down Button / Selfie Button
9. Menu Button
10. Power Button/ Time-lapse Button
11. USB Jack
12. Micro SD Card Slot
13. Fill Light
14. Lens
15. Locking clamps
16. Brand
17. Status Indicator

2. Button function Description

Button	Function
Power Button / Time-lapse Button 	Long press to turn on/off; After starting up, press the button to enter the time-lapse mode;

MENU Button 	Enter/exit menu
MODE Button 	Switch between camera mode/video mode/playback mode
OK Button 	Shooting / OK confirmation
Up Button / MTL Button 	Upward/ Manual time-lapse photography shortcut
Down 	Flip down/selfie

3. Specification

LCD screen	2.4" TFT LCD
Lens	Starlight lens Angle of view: 110°
Photosensitive chip	Starlight 2 megapixels,/2.7"
Resolution	1920*1080 / 1280*720
Shooting distance	60CM~infinity
Supplementary light	A single 120°2W white LED will enable the supplementary light only when the user needs completely dark
Customize the shooting cycle	Set the shooting time flexibly according to the week and time
Loop shooting	ON/OFF; (When ON, the oldest document will be deleted when the card is full)
Exposure compensation	+3.0 EV ~-3.0 EV in increments of 1.0EV
File format	photos: JPG, video: AVI
Power Source	12 AA batteries
Battery Life	6 months (take a photo at 5 minute intervals, 288 photos/day,8640 photos/month)
Storage Media	TF card,(up to 512GB, Class 10 or above)
PC interface	Micro USB 2.0
Installation method	Brackets, straps, ropes

4. Power Supply

Please install batteries before using the camera.

- Open the time-lapse camera case and remove the battery cover. Install 12 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.

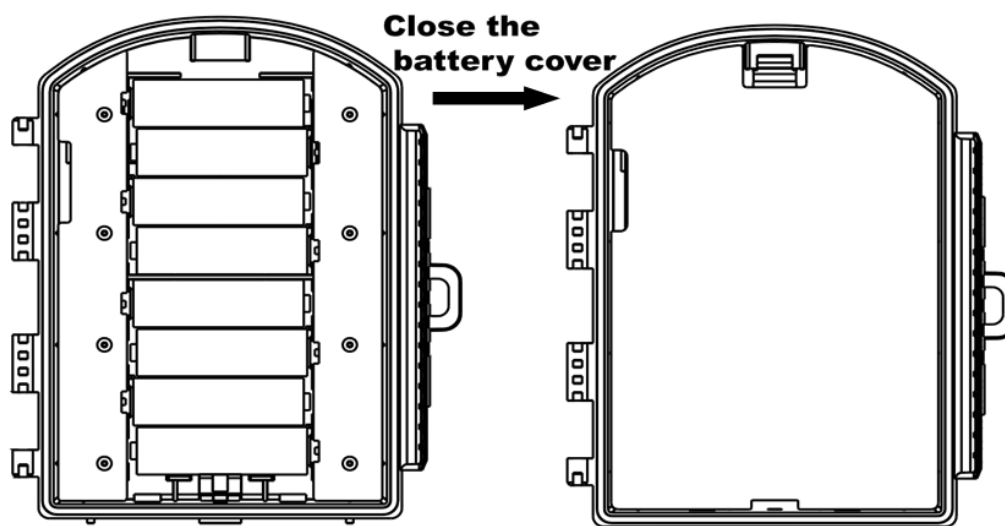


Fig.2. Battery installation

5. Inserting Storage Media

Please prepare a TF 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 512GB. Suggest to use at least class 10 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 time-lapse camera will stop recording automatically and the LEDs will go out.
- Press the edge of the card gently to pop-up the TF card.




6. Basic Operation

6.1. Turn ON and turn OFF

After the battery is plugged in, long press the power button to start the machine. Long press the power button again to turn it off.

6.2. Adjustment mode

The Time-lapse camera has 3 different modes : photo mode, video mode and playback mode. Press the Mode button can change mode.

	Photo Mode	For taking still photos.
	Video Mode	For recording video.
	Playback Mode	For playing the recorded files.

- Take photo: Press the MODE button to switch to photo mode. Press OK button to take a picture.
- Video: Press the MODE button to switch to video mode. Press OK to start recording, and press OK again to stop recording.
- Playback: Press the MODE button to switch to the playback interface, press the up/down button to browse the saved photos and videos. When playing back the video, press the OK button to play, press the OK button again to pause, and press the menu button to stop playing. Press the playback button again to exit playback mode.

6.3. Playback menu

Playback menu list :

Menu	Function
Delete	Delete the current file in memory card. Options: [Cancel]/[Delete].
Delete All	Delete All Delete all files in memory card. Options: [Cancel]/[Delete].
Activate slide show	Playback the photos in slide way. Each photo display 3 seconds. Press OK button to stop playing.
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].

7. System Setup

After starting up, click the mode button and then click the menu button to set the camera.

1. Press MODE button to switch the Video/Photo/playback mode.
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:

In the photo and video mode, press the menu button to modify the settings.

Menu	Function
Setting	The overview shows the important information that has been set so far. Display the set mode, interval time, recording time, current battery power, TF card available space.
MODE	Set timing shooting or time-lapse shooting. Press OK to set the week and time interval for time-lapse shooting. (Press MODE button to switch, press up/down button to select), timing shooting interval and video duration. Options: [Timelapse Photo] / [Timelapse Video] / [Timing Photo]/[Timing Video].
Led	Set the Led switch. Options :[On]/[Off].
Exposure	Set the exposure. Options:[+0.3 EV]/[+0.2 EV]/ [+0.1 EV] / [+0.0 EV]/ [-1.0 EV]/[-2.0 EV]/[-3.0 EV].
Language	Set the language display on screen. Options : [English]/[Deutsch]/[Dansk]/[Suomi]/[Svenska]/[Espanol]/[French]/[Italian]/ [Nederlands]/[Portuguese]/[Simplified Chinese]/[Traditional Chinese]/[Japanese]
Photo Resolution	Set the image resolution. Options:[2MP(1920X1080P)] / [1MP(1280 X 720P)]
Video Resolution	Set the video resolution. The bigger the resolution is ,the longer the video time can be stored. Options:[1920X1080P] /[1280 X 720P]
Frequency	Set the light source frequency to match frequency of electricity supply in local region to prevent interference. Options:[50Hz]/[60Hz].
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~120 seconds.
Photo Stamp	Stamp the date & time on the photos or not. Options:[Time & date]/[Date]/[Off].
Target Recording Time 1	Set the monitoring time of the camera, you can set the specific time period for the camera to record. You can set the start time and end time of camera recording. After the setting is completed, the camera will only record during the set time period every day, and it will be on standby at other times. Options:[On]/[Off].
Target Recording Time 2	Set the monitoring time of the camera, you can set the specific time period for the camera to record. You can set the start time and end time of camera recording. After the setting is completed, the camera will only record during the set time period every day, and it will be on standby at other times. Options:[On]/[Off].
Beep Sound	Open/close the button sound. Options:[On]/[Off].
Endless Capture	Set the camera to record video in loop. The earliest document is deleted when the card is nearly full, and the loop is endless. Options:[On]/[Off].

Date format	Set the date and time of the camera. Date format: dd/mm/yy; yy/mm/dd; mm/dd/yy.
Time & date	Press the mode button to select the position to be modified, press the up/down button to modify the value, and press the OK button to confirm.
Audio Recording	Open this function, the camera will record audio when recording video. Options:[On]/[Off].
Reset Settings	Restore the camera to factory default settings including password, serial number and so on. Options:[Yes]/[No].
Version	Look up the Firmware information of the camera.
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].

8. Time-lapse setting

You can set automatic or manual time-lapse for time-lapse shooting:

8.1. Set automatic time-lapse shooting

After starting up, in the Photo/video mode, you can click the MENU button and press the Up or Down button to switch to MODE option

- Timelapse (Photo) is timelapse for photo, can be set to take 1 photo every 3 seconds to 24 hours, and automatically connect photos to generate time-lapse AVI videos in real time;

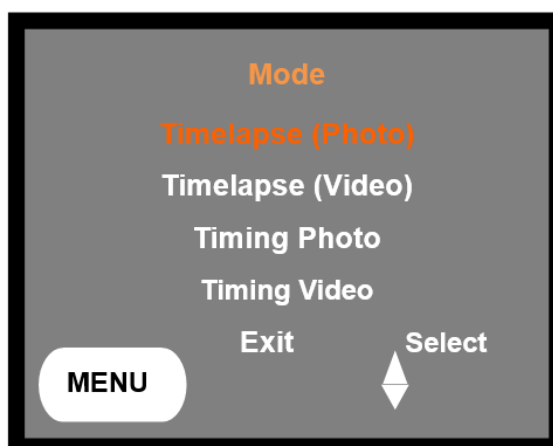


Fig.3. Time-lapse (Photo)

- Timelapse (Video) is timelapse for video, it can be set to record a short video of 3 seconds to 120 seconds every 3 seconds to 24 hours, and automatically connect to AVI video;
- Timing Photo is Timing for photo, it can be set to take 1 photo every 3 seconds to 24 hours;
- Timing Video is timing for video, it can be set to record a video from 3 seconds to 120 seconds every 3 seconds to 24 hours.;

Press OK button to set the day of the week and set the interval time for Timing;
 After setting, return to the main interface and short press the power button. The screen will prompt a 15-second countdown after the time-lapse starts. After the countdown is over, it will enter the time-lapse and Timing mode, enter the time-lapse mode and the camera will shoot according to the time you set; if short press the power button again to stop time-lapse shooting.

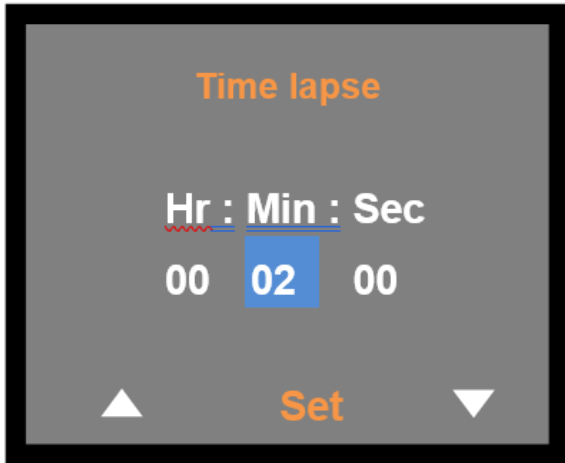


Fig.4. Setting time-lapse time



Fig.5. Time-lapse target recording day

8.2. Set manual time-lapse shooting

- After starting up, press the mode button to switch to the photo mode, press the Up / MTL button to enter the manual photo time-lapse photo, press OK button to shoot and then press Up / MTL button again to stop the manual time-lapse photo.
- After starting up, press the mode button to switch to the video mode, press the Up /MTL button to enter the manual time-lapse video, press OK button to start and then press Up / MTL button again to stop the manual time-lapse video.



Fig.6. Time-lapse REC (Manual)

9. Using the wall bracket

You can mount the Time-lapse 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.

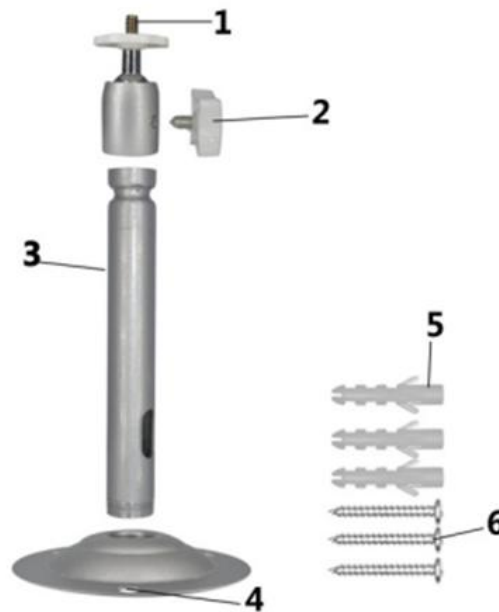


Fig.7. Wall bracket

1. Tripod screw
2. Bracket fixing screw
3. Bracket support rod
4. Drill holes
5. Wall plugs
6. Screws

9.1. 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.

9.2. 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.

10. 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.

10.1. 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.

10.2. Connecting the device to a PC through 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.

11. Notes on cleaning

Before cleaning the device, disconnect it from the power supply! Only use a dry cloth to clean the exterior of the device. To avoid damaging the electronics, do not use any cleaning fluid. Clean the eyepieces and/or lenses only with a soft, lint-free cloth, (e.g. microfibre cloth). To avoid scratching the lenses, use only gentle pressure with the cleaning cloth. Protect the device from dust and moisture. Store it in a bag or box.