



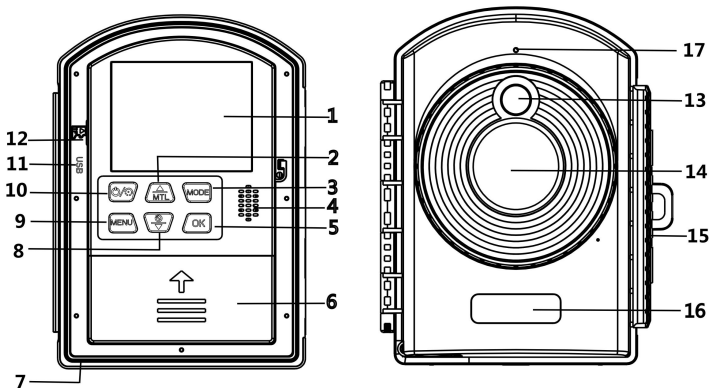
Time-lapse Camera User Manual

TL2000

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Product Overview



1.Display Screen	2.Up Button / Manual Time-lapse Button
3.Mode/Right 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.Verschlussklammern	16.Brand
17.Green Status Indicator	

Button Function Description

Button	Function
Power Button / Time-lapse Button	Long press to turn on/off; After power on, press the button to enter the shooting state
MENU Button	Enter/Exit menu
MODE Button / Right Button	Switch between camera mode/video mode/playback mode; Move the cursor to the right when setting the time
OK Button	Shooting/OK confirmation
Up Button / MTL Button	Upward to scan all menu and options/Manual time-lapse photography shortcut
Down Button / Selfie Button	Downward to scan all menu and options/Time-lapse selfie, press the OK button to start shooting

Specification

LCD Screen	2.4" TFT LCD
Lens	Starlight lens angle of view: 110°

Photosensitive Chip	Starlight 2 megapixels, 1/2.7"
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 0.5EV
File Format	photos: JPG, video: AVI
Power Source	12 AA batteries
Storage Media	TF card,(up to 512GB, Class 10 or above)
PC Interface	Type-C
Installation Method	Brackets, straps, ropes

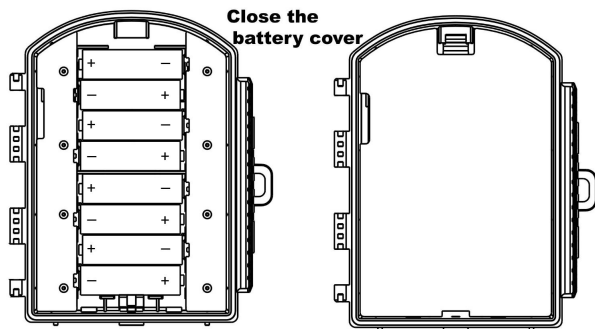
Power Supply

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. *Voltage specifications (6V, 1.0A)*



Inserting Storage Media

Before recording, please insert a TF card into the camera and format the memory card first.

1. Do not insert the memory card forcibly.
2. If the capacity of the memory card is full, the camera will stop recording automatically and the LED lights off. If you choose to turn on Endless Capture in the camera's menu, when the memory card is full, it will automatically overwrite the camera's previous captures.

3.Press the edge of the TF card gently to pop up the TF card.

Basic Operation

1.Adjustment Mode

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

2.Press the Mode Button can change the 3 modes

Take Photos	Press OK Button to take a picture.
Record Video	Press OK Button to record a video clip or to stop recording.
Playback Files	1.Press Up/Down Button to scan photos or video. 2.Press OK Button to play the video or stop. 3.Press Menu Button: Delete Current File: Options: [Cancel]/[Delete]. Delete all Files: Options: [Cancel]/[Delete]. Activate Slide Show : Playback the photos in slideway. Each photo display 3 seconds. Press OK Button to stop playing. Write Protect : It can avoid accident deletion. Options: [Write-protect current file]/[Write-protect

	all files]/[Unlock current file]/[Unlock all files].
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3.Menu in Photo and Video Mode are As Below:

Menu	Function
Setting	Display the set mode, interval time, recording time, current battery power, TF card available space.
Mode	Options:[Timelapse Photo]/[Timelapse Video]/ [Timing Photo] /[Timing Video].
Fill Light LED	Set the Led switch. Options :[On]/[Off].
Exposure	Options:[+3.0 EV]/[+2.5 EV]/[+2.0 EV]/ [+1.5 EV] / [+1.0 EV] /[+0.5 EV]/[+0.0 EV]/[-0.5 EV]/[-1.0 EV]/ [-1.5 EV]/[-2.0 EV]/[-2.5 EV]/[-3.0 EV].
Language	Option:[English]/[Deutsch]/[Dansk]/[Suomi]/[Svensk a]/[Español]/[Français]/[Italian]/[Nederlands]/[Portug ués]/[Simplified Chinese]/[Traditional Chinese]/ [Japanese]/[Cestina]/[Polski]/[Pycckññ]/[Korean].
Photo Resolution	Options:[2MP(1920X1080P)] / [1MP(1280 X 720P)].

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	the length of the video for each timelapse (not the length of the final video). 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	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	Same as Target Recording Time 1.

Beep Sound	Options:[On]/[Off].
Endless Capture	Set the camera to record video in loop. Options:[On]/[Off].
Date Format	Date format: dd/mm/yyyy; yyyy/mm/dd; mm/dd/yyyy.
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	Options:[Yes]/[No].
Status LED	The green light will blink when the camera is recording, and it will blink 5 times continuously when

	the power is below 10%. Options:[On]/[Off].
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4.Time-lapse Setting

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

1. Set Automatic Time-lapse Shooting

A. After starting up, you can click the MENU Button and press the Up/Down Button to switch to MODE option.

Timelapse(Photo)	It 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.
Timelapse(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	it can be set to take 1 photo every 3 seconds to 24 hours.
Timing Video	it can be set to record a video from 3 seconds to 120 seconds every 3 seconds to 24 hours.

B. After selecting the shooting mode, you need to confirm the details

Timelapse(Photo)	1.Set the days of the week you need to record. 2.Set the frame rate of photo. 3.Set the interval time for Timing.
	1.Set the days of the week you need to record.

Timelapse(Video)	2.Set the length of the video for each timelapse (not the length of the final video). 3.Set the interval time for Timing.
Timing Photo	1.Set the days of the week you need to record. 2.Set the interval time for Timing.
Timing Video	1.Set the days of the week you need to record. 2.Set the length of the video for each timelapse (not the length of the final video). 3.Set the interval time for Timing.

C.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.

D.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.

2. Set Manual Time-lapse Shooting for Photo and Video

Photo	1. press the mode Button to switch to the photo mode . 2. press the Up / MTL Button to enter or stop the manual photo time-lapse photo. 3. press OK Button to shoot.
	1. press the mode Button to switch to the video mode .

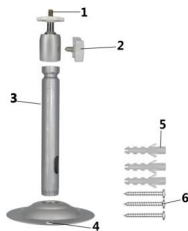
Video	2. press the Up / MTL Button to enter or stop the manual photo time-lapse photo. 3. press OK Button to shoot.
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About the Install

1. Using the Wall Bracket

Components

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



Install Steps

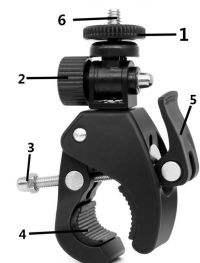
1. Mark the drill holes by holding the foot of the wall bracket at the desired mounting location and marking the hole positions.
2. Use a drill with a 6 mm drill bit to drill the required holes and insert the plugs and insert the wall plugs flush with the wall.
3. Screw the wall bracket to the wall using the supplied screws .
4. Mount the camera on the tripod screw and screw the camera a little way on (about three turns).
5. Turn the camera in the desired direction and lock it with the lock nut .

6.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 .

2. Using the Circular Tube Bracket

Components

- 1.Machine fixed gear
- 2.Fixed tightening shaft
- 3.Fastening screw
- 4.Ring hole
- 5.Tighten steering shaft
- 6.Metal screws



Install Steps

- 1.Lift up the tightening steering shaft (5) and open the ring hole (4).
- 2.Fix the bracket on the tube, turn the tightening steering shaft (5) to tight and then press the tightening steering shaft (5) down vigorously.
- 3.Fix the tripod slot at the bottom of the time-lapse camera to the metal screw (6) of the bracket.
- 4.Rotate the machine fixed gear (1) to adjust the direction of 360°.
- 5.Rotate the fixed tightening shaft (2) to adjust the direction by 180°.

3. Using the Mounting Belt

4. Using the Rope (Elastic Cord)

Download Files to the Computer

1.Using a Card Reader

2.Connecting the Camcorder to a PC by the USB Cable

Notes for Using

1.Before cleaning the device, disconnect it from the power supply (remove batteries).Only use a dry cloth to clean the exterior of the device, do not use any cleaning fluid.

2.Remove the batteries from the device if it is not used for a longer time.

3.After inserting the battery, it cannot be turned on normally. It may be because the battery is not installed flatly. Touch the battery to make it flat.

4.When setting the time period to shoot, please correct the camera's time first.