

# Dsoon

## Time-Lapse Camera User Manual



### TL2100



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# About Dsoon

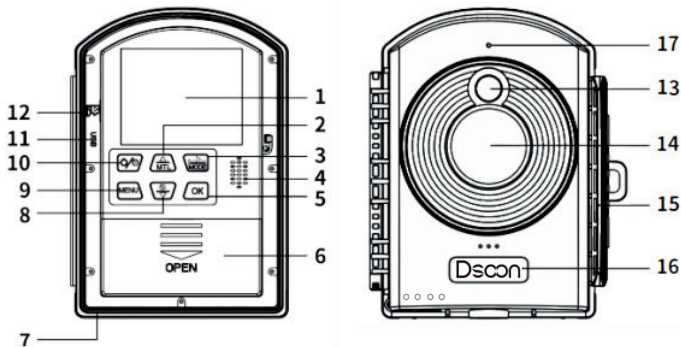
Thank you for choosing the Dsoon brand time-lapse camera. Since the founding of Dsoon, we have been committed to providing high-quality imaging solutions to users worldwide. Through years of development and technological innovation, our series of time-lapse cameras have become industry leaders, earning the trust and admiration of many users.

Every Dsoon time-lapse camera is a tribute to the limitless possibilities of creativity, and we hope they bring new inspiration and possibilities to your work. Whether you are a professional photographer or an imaging enthusiast, Dsoon is always your trusted partner. We hope our products bring you an exceptional experience and unparalleled results.

## ➤ **Package List :**

- Time Lapse Camera x 1
- 32 GB TF Card x 1
- USB Transfer Line x 1
- Wall Bracket x 1
- Round Tube Bracket x 1
- Installation Strap x 1
- Rope x 1
- Wall Plug x 3
- Wall Screw x 3
- Cleaning Cloth x 1
- User Manual x 1

## ➤ 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 Interface	8. Down / Selfie Button
9. Menu Button	10. Power / Delay Button
11. Type-C Port	12. TF Card Slot

13. Fill Light	13. Lens
15. Latch	16. Brand LOGO
17. Status Indicator	

## ➤ Button Function Descriptions

<b>Button</b>	<b>Funtion</b>
Power / Delay Button	Long press to power on/off the device; after powering on, press this button to enter time-lapse mode.
MENU	Enter / Exit the menu.
MODE	Switch between photo mode, video mode, and playback mode.
OK Button	Confirm selection.
MTL Button	Up/Manual time-lapse shortcut key.
Down/Selfie Button	Down / Take selfie.

## ➤ Specifications

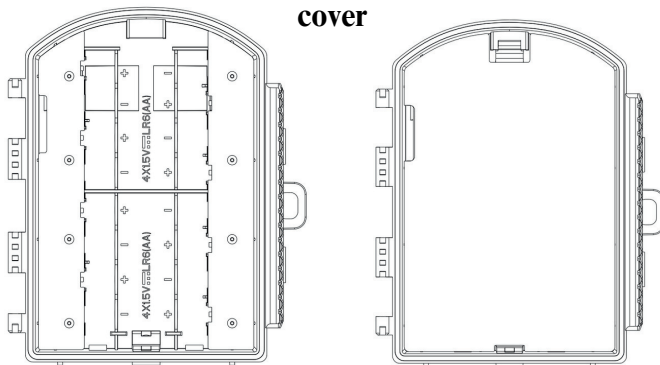
LCD Screen	2.4-Inch TFT LCD
Lens	110° starlight wide-angle lens
Sensor	Starlight 2MP 1/2.7” sensor
Resolution	1920*1080/1280*720
Shooting Distance	60CM—Infinity
Fill Light	Single 120°W white LED light, activated in dark environments.
Custom Shooting Interval	Flexible settings for daily or time-period shooting cycles.
Loop Recording	When enabled, old files will be deleted when the TF card is nearly full.
Exposure Compensation	+3.0 EV ~ -3.0 EV, in 1.0 EV increments.
File Format	JPG/AVI

Power Supply	12 x 1.5 V AA alkaline batteries.
Storage Medium	TF card (up to 512GB, Class 10 or above).
Computer Interface	USB
Installation Method	Bracket, strap, rope.

## ➤ Power Supply

- Open the time-lapse camera casing and remove the battery cover. Install 12 pieces of 1.5V AA alkaline batteries (the camera can operate normally with just 4 batteries), ensuring the correct polarity.
- If the camera is low on power, connect it to a power adapter (not provided). Voltage specifications: 6V, 1.0A.

## Close the battery cover



## ➤ Storage Media

This product does not have built-in memory, so please insert a TF card before use. The camera cannot save any data without a storage card. It is recommended to format the TF card before shooting, which can improve battery life and shutter speed.

- Supports Micro SD cards with a maximum capacity of 512GB. It is recommended to use Class 10 or higher high-speed cards.
- To avoid malfunction, keep the storage card away from water, strong vibrations, dust, heat sources, and direct sunlight.
- Do not force the storage card into the slot. Insert it according to the direction indicated on the product.
- When the storage card is full, the camera will automatically stop taking photos, recording videos, and turn off the LED light.
- To remove the TF card, gently press down on the edge of the card to eject it.




# ➤ Basic Operations

## Power On/Off

Press and hold the power button to turn on the camera. Press and hold the power button again to turn it off.

## Mode Introduction & Control

### 1. Adjustment Mode

	Photo Mode	For capturing still photos.
	Video Mode	For recording videos.
	Playback Mode	For playing recorded files

### 2. Press the Mode Button to Switch Among the 3 Modes

<b>Taking Photos</b>	Press the mode button to switch to photo mode; press the OK button to take a photo.
<b>Recording Videos</b>	Press the mode button to switch to video mode; press the OK button to start and stop recording.

<p><b>Playback Mode</b></p>	<p>To view saved files, press the mode button to switch to Playback Mode. Use the up/down buttons to browse through photos and videos.</p> <p>While viewing a video, press the OK button to play or pause it, and press the menu button to stop playback.</p> <p>Press the mode button again to exit Playback Mode.</p>
<p><b>Playback Mode Menu</b></p>	<p>Delete Current File: Delete the current photo or video. Options: [Cancel] / [Delete]</p> <p>Delete All Files: Delete all photos or videos on the TF card. Options: [Cancel] / [Delete]</p> <p>Slideshow: Automatically display photos from the storage card in a slideshow, with each photo shown for 3 seconds.</p>

<p><b>Playback Mode Menu</b></p>	<p>Press the OK button to stop the slideshow.</p> <p>Write Protection: Lock files to prevent accidental deletion.</p> <p>Options: [Write-protect current file] / [Write-protect all files] / [Unlock current file] / [Unlock all files]</p>
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## Menu in Photo and Video Modes

(Tip: In Photo and Video modes, pressing the Menu button allows you to quickly adjust current settings.)

<b>Menu</b>	<b>Funtion</b>
<b>Settings</b>	Display the current work mode, interval time, recording time, battery level, and available TF card space.
<b>Work Mode</b>	Options: [Time-Lapse (Photos)]

<b>Work Mode</b>	[Time-lapse (Videos)] / [Timing Photo] / [Timing Video].
<b>Fill Light</b>	Turns the fill light on or off.
<b>Exposure Compensation</b>	Options: [+3.0EV]/[+2.5EV]/[+2.0EV]/[+1.5EV]/[+1.0EV]/[+0.5EV]/[+0.0EV]/[-0.5EV]/[-1.0EV]/[-1.5EV]/[-2.0EV]/[-2.5EV]/[-3.0EV].
<b>Language</b>	Options: [English] / [German] / [French] / [Italian] / [Dutch] / [Portuguese] / [Spanish] / [Simplified Chinese] / [Japanese] / [Czech] / [Polish] / [Russian] / [Korean] / [Danish] / [Finnish] / [Swedish].
<b>Photo Resolution</b>	Options: [2MP(1920X1080p)]/[1MP(1280X720p)]
<b>Video Resolution</b>	Options: [1920X1080p]/[1280X720p].

<b>Frequency Settings</b>	Set the power frequency to avoid flickering in photos or videos. Options: [50Hz] / [60Hz].
<b>Video Length</b>	Specifies the length of each time-lapse segment (not the final video length). Options: 3 seconds—120 seconds.
<b>Photo Stamp</b>	Adds the date and time stamp to photos. Options: [Time and Date] / [Date]
<b>Target Recording Time 1</b>	Sets start and end time for the camera's recording. Once set, the camera will only record during the specified time period each day, remaining in standby mode at other times. Options: [On] / [Off]
<b>Target Recording Time 2</b>	Same as Target Recording Time 1.

<b>Beep Sound</b>	Enables or disables the camera's beep sound. Options: [On] / [Off].
<b>Loop Recording</b>	When enabled, the camera will record in a loop. Options: [On] / [Off]
<b>Date Format</b>	Set the date format. Options: [Day/Month/Year] / [Year/Month/Day] / [Month/Day/Year].
<b>Time and Date</b>	Use the mode button to select the unit to modify, the up/down buttons to adjust the value, and the OK button to confirm.
<b>Recording Audio</b>	Records sound during video capture. Options: [On] / [Off]
<b>Reset Settings</b>	Restores the camera to factory settings, including password, serial number, etc. Options: [Yes] / [No]

<b>Version</b>	View the camera's firmware information.
<b>Format Storage Card</b>	Formats the TF card.Options: [Yes] / [No]
<b>Status LED</b>	The green light flashes when recording. If the battery is below 10%, it flashes 5 times consecutively. Options: [On] / [Off]

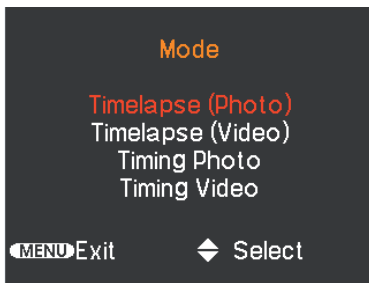
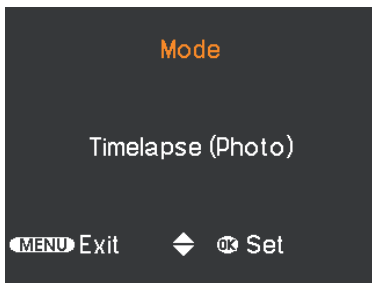
## ➤ Time-Lapse Settings

### ▶ Set Automatic Time-Lapse Shooting

(Use the Up and Down buttons to navigate, and press the OK button to confirm your selection.)

(1) After starting time-lapse mode, press the Menu button and use the Up/Down buttons to switch to the available MODE options:

<b>Time Lapse (Photo)</b>	You can set the camera to take one photo every 3 seconds to 24 hours and automatically string the photos together to generate a time-lapse AVI video in real-time.
<b>Time Lapse (Video)</b>	You can set the camera to record short videos, with durations between 3 and 120 seconds, at intervals ranging from 3 seconds to 24 hours. The camera will automatically stitch these clips into a time-lapse AVI video.
<b>Timing Photo</b>	You can set the camera to capture a single photo at intervals between 3 seconds and 24 hours.
<b>Timing Video</b>	You can set the camera to record a video of 3 to 120 seconds at intervals ranging from 3 seconds to 24 hours.



(2) After selecting the shooting mode, you need to manually confirm the details and complete the settings.

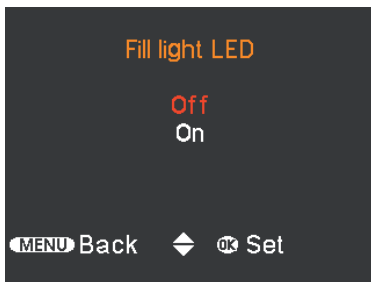
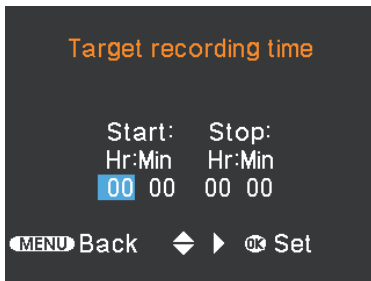
### 1. Set **Time and Date** of the camera.



## 2. Set **Target Recording Time**

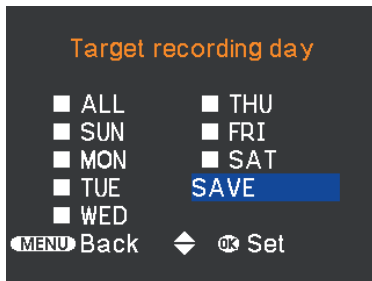
If you want the camera to operate during specific hours, configure the **Target Recording Time** to define the time period for recording each day.

***Tips:** If you plan to record in low-light conditions, turn on the camera's **Fill Light LED**.*



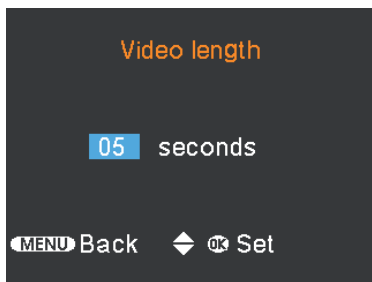
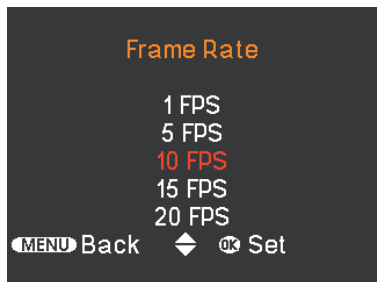
## 3. Set **Target Recording Day**

- After selecting the shooting mode, confirm the specific **Day of the Week** when you want the camera to record.
- Select **Save** to lock in these settings.



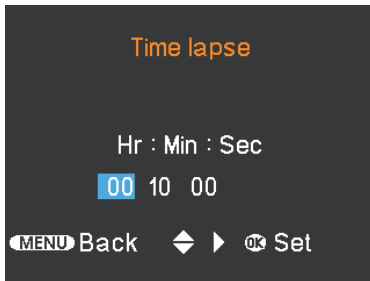
#### 4. Set Playback Frame Rate or Video Length

- For **Time-lapse (Photo)** mode, choose the **Playback Frame Rate** for when the photos are compiled into a video.
- For **Time-lapse (Video)** mode, set the **Video Length** for each short video segment.



## 5. Choose Time Interval

Select the **Time Interval** at which the camera will take pictures (e.g., every few seconds or minutes).



## 6. Exit Menu and Start Shooting

Exit the menu by short-pressing the power button, and a countdown will appear on the camera's screen. After the countdown is over, the camera will start normal shooting.

### ► Setting Up Manual Time Lapse Shooting

#### (1) Picture Mode

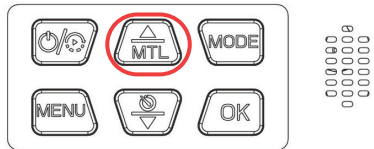
##### 1. Enter Picture Mode:

Press the **MODE** button to switch the camera to picture shooting mode.



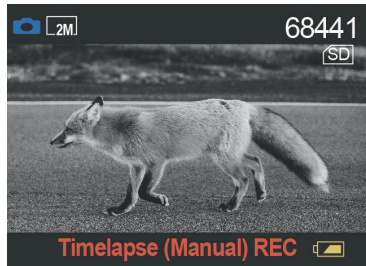
## 2. Activate Manual Time-Lapse:

Press the **Manual Time-Lapse** button to switch the camera into manual time-lapse mode.



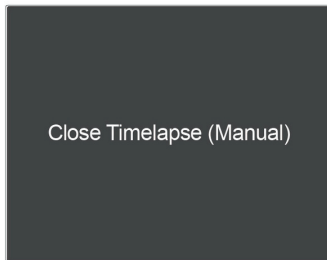
## 3. Take Pictures Manually:

Keep pressing the **Manual Delay** button to manually take the pictures you need to take.



#### 4. Exit Manual Time-Lapse Mode:

After you've taken the necessary photos, press the **Manual Time-Lapse** button again to exit manual time-lapse mode.

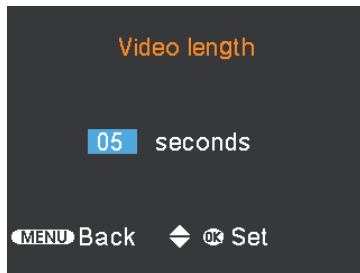


#### (2) Video Mode

The operation is consistent with the picture mode. However, for each short video, you can manually set the duration by selecting '**Video Length**' in the menu before shooting the time-lapse video.

1. **Enter Video Mode:** Press the MODE button to switch to video mode.

2. **Set Video Length:** In the menu, choose the Video Length for each clip.



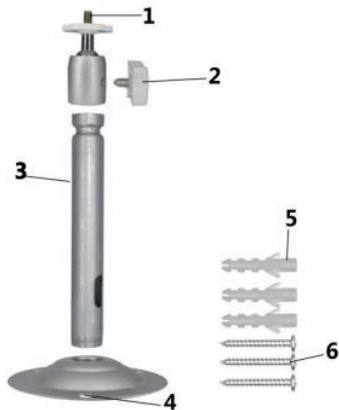
3. **Start Manual Time-Lapse:** Press the **Manual Time-Lapse** button to begin.
4. **Record Videos:** Use the **Manual Delay** button to manually record.
5. **Exit:** Press the **Manual Time-Lapse** button again to exit the mode.

## ➤ About Installation

### ► Using the Wall Bracket

#### Components:

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



#### Installation Steps:

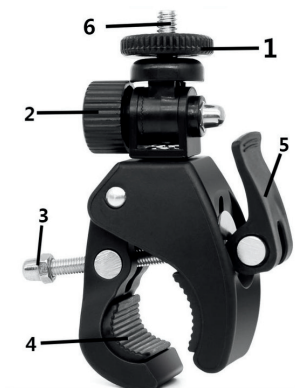
1. Fix the wall bracket feet at the installation location and mark the screw positions.

2. Use a 6mm drill bit to drill the screw holes, and insert the wall plugs flush with the wall.
3. Use the provided screws to fix the bracket to the wall.
4. Mount the camera on the tripod screw and tighten the camera.
5. Turn the camera in the desired direction and lock it with the locking nut.
6. Adjust the camera to the final position, loosen the two pivot bolts, position the camera, and then tighten the two pivot bolts to secure it.

### ► Using the Wall Bracket

#### Components:

1. Mechanical fixing gear
2. Fixing tightness axis
3. Tightening screw
4. Ring hole
5. Tightening steering axis
6. Metal screw



## **Installation Steps:**

1. Lift the tightening steering axis and open the ring hole .
2. Attach the bracket to the round tube, then tighten the steering axis clockwise and press it down firmly.
3. Secure the camera's bottom slot onto the metal screw .
4. Rotate the mechanical fixing gear to adjust the direction by 360°.
5. Rotate the fixing tightness axis to adjust the direction by 180.

### **► Using the Installation Strap**

1. Loop the strap through the camera's rectangular slot.
2. Secure the strap around the object (e.g., a tree) and tighten it.

### **► Using a Rope**

1. Thread the rope through the circular holes on the camera.
2. Loop and secure it around the object, then tighten.

## ➤ **File Transfer**

There are two methods to transfer images from the memory card to a computer:

### **1. Using a Card Reader**

- (1) Connect the TF card to the computer by using a card reader.
- (2) Open "My Computer" or Windows Explorer and locate the removable disk for the storage card.
- (3) Copy the files from the storage card to the computer.

### **2. Connecting the Camera to the Computer via USB Cable**

- (1) Connect the camera to the computer by using a USB cable.
- (2) The "MSDC" will appear on the screen.
- (3) Open "My Computer" or Windows Explorer and locate the removable disk for the storage card.
- (4) Copy the files from the storage card to the computer.

## ➤ Maintenance and Care

It is recommended to clean the device with a dry or slightly damp, lint-free cloth. **Avoid using any abrasives.** Since the camera is a high-precision optical instrument, please take care to avoid the following:

- Using the device in extremely high or low temperatures.
- Storing it in a humid environment for extended periods.
- Using it in rain or underwater.
- Transporting or using it in environments with strong vibrations.
- If the device will not be used for an extended period, remove the batteries.

## ➤ **Service Assurance**

To ensure a worry-free shopping experience, we provide comprehensive after-sales support. Whether you have questions about product use, need technical assistance, or require repair services, our professional team is always ready to help. We are committed to responding promptly and resolving your concerns efficiently, so you always feel the care and support of the Dsoon brand.

If you encounter any issues while using the product, please reach out to us through the following methods for a faster response:

Customer support for consumers in the U.S. :

**[dsoonservice@hotmail.com](mailto:dsoonservice@hotmail.com)**

Customer support for consumers in European countries and the UK:

**[dsoonservice.eu@hotmail.com](mailto:dsoonservice.eu@hotmail.com)**