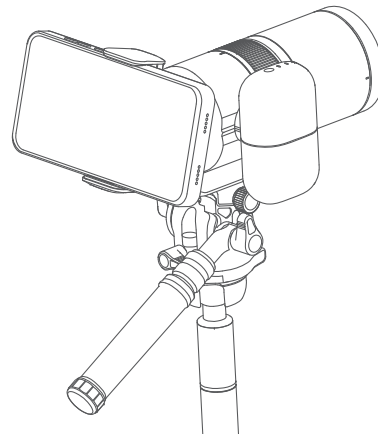


# SMART ULTRA TELEPHOTO CAMERA

DDL-DT1 Operating instructions



Please read the instructions in detail  
Please keep this instruction manual in a safe place

Excope DT1



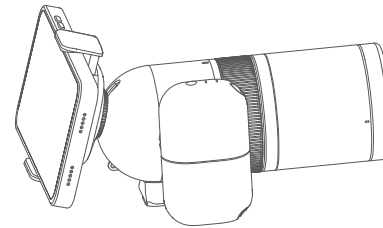
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## 01 Product overview

Thank you for purchasing the Smart Ultra Telephoto Camera, Please read the instructions carefully before use and keep it properly.



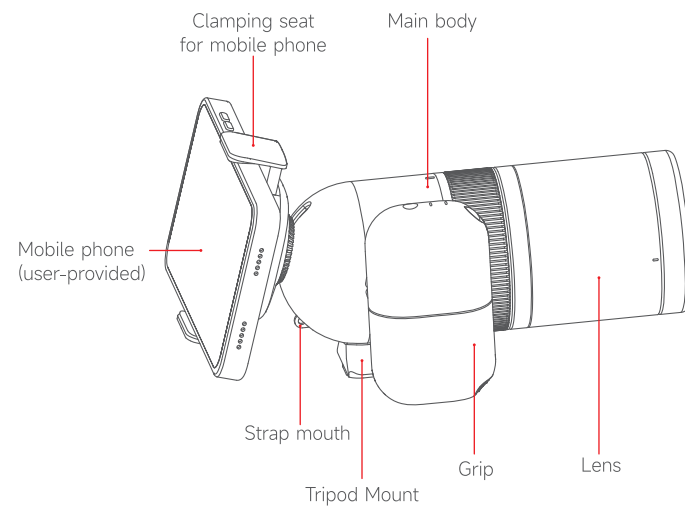
Smart Ultra Telephoto Camera body

## 02 Notice for use

- Please read the instructions carefully and use it correctly.
- Pay attention to protecting the lens part, and close the lens cover after use to avoid dust or foreign matter.
- Pay attention to protecting the lens part of the host interface. If you want to remove the lens after use, please cover the host to avoid fouling the lens part of the host.
- This Smart Ultra Telephoto Camera must be used with a mobile phone or tablet. Please use a properly configured mobile phone or tablet.
- When using a mobile phone, please do not clip the folding screen mobile phone to the device to avoid damaging the mobile phone.

### 03 Smart Ultra Telephoto Camera Instructions

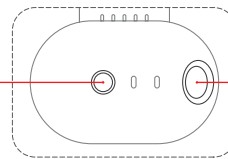
#### Composition of Smart Ultra Telephoto Camera



## Description of key functions

### On/off key

Press and hold on/off.



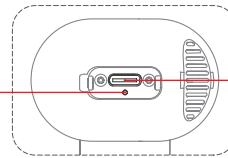
### Photo/video key

Photo mode: press and hold to take photo  
Video mode: Press and hold to start recording.  
Press again to stop recording  
(Switching to Photo/Video Mode on Mobile Device)

## Interface usage method

### Reset hole

Use an elongated needle to reset after stabbing.



### Charging/data transfer interface

Please use the matching data cable when transmitting data, or other data cables with data transmission function

## Usage environment



Please use it at -10°C~45°C



Please avoid the camera being soaked by water, drinks, corrosive liquids, etc.



Please avoid keeping the camera close to heat sources, open flames and flammable and explosive gases (liquids).



Please avoid dust from entering the lens and the interior of the camera.



Please avoid the camera from being hit and violently shaken

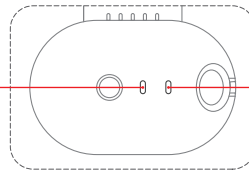
In the case of low temperature, the battery's available capacity will be attenuated to varying degrees.

**In case of any abnormality, please get in touch with the after-sales department for maintenance. Dismantling the Smart Ultra Telephoto Camera without permission will not enjoy the three-guarantee policy and may lead to irreparable damage.**

### Charging instructions

#### Working status indicator lamp

Regular operation: the white light is always on.  
Low battery: the red light breath flashes.  
Charging: Red light always on  
Total charge: Red light out.



#### WiFi connection status indicator

Click to take a picture, and press and hold to start recording.  
short press to stop recording.  
Not connected: the blue light flashes. Connected: the blue light is always on



You can use the daily mobile phone charger, computer and Power Bank to charge the Smart Ultra Telephoto Camera.



Do not charge for more than 12 hours. Avoid affecting the service life of the battery.

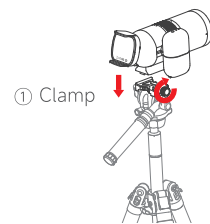
- During the charging process, it is a normal phenomenon for the shell and battery of the Smart Ultra Telephoto Camera to heat slightly, so please feel free to use it.

#### Storage environment

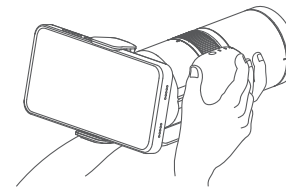
- Store in a cool and dry place for daily use, and avoid direct sunlight.
- Avoid storing the Smart Ultra Telephoto Camera where there is a risk of falling, which may cause lens deviation or damage to other components inside the Smart Ultra Telephoto Camera and other irreparable damage problems.

## 04 How to use

1. Clamp the Smart Ultra Telephoto Camera on a tripod (hand-held operation is also acceptable).



② Rotate the knob to fasten



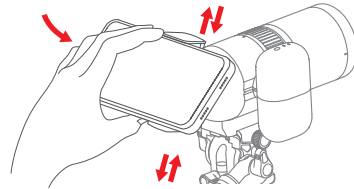
Hand-held operation  
(40 lens can be hand-held)

**Tips:** Because of the long focal length, the 400 lens shakes obviously when held in hand, it is recommended to use it with a tripod, and the 40 lens can be used by hand.



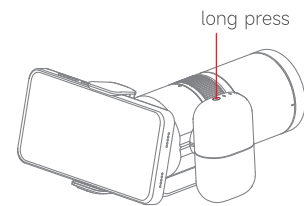
**2. Clamp the phone on the device**

- ① Pull both ends of the buckle apart
- ② Put the phone in

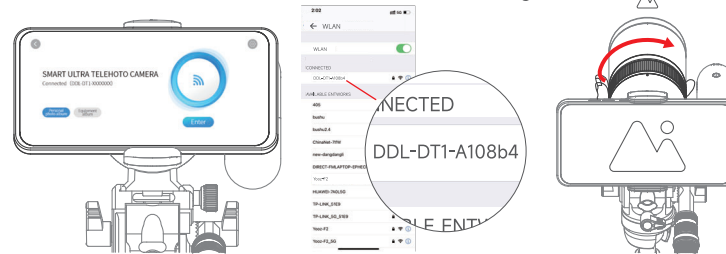


- ③ Rebound buckle fastens mobile phone

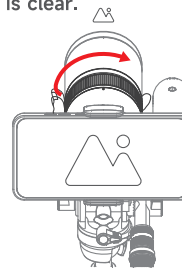
**3. Press and hold the on/off key to start the machine.**



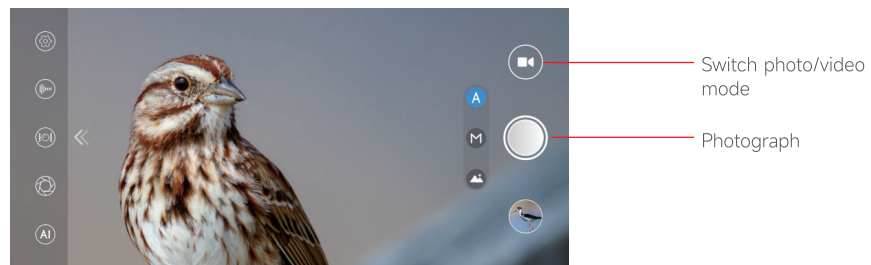
**4. Turn on the mobile APP, search for hotspots, and connect devices**



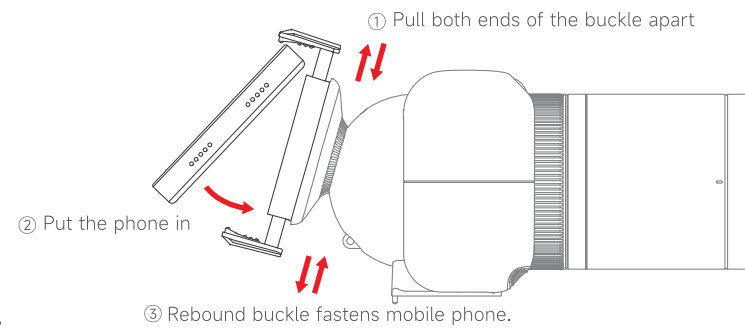
**5. Aim at the object to be photographed and adjust the focal length until the image is clear.**



6. Select the corresponding mode and take photos/videos after adjustment.

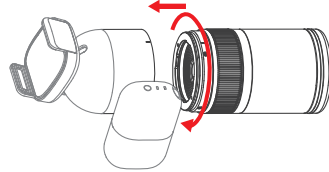


The right way to clamp the mobile phone on the device



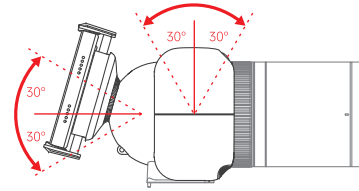
### The way to install the lens

① Insert socket (Note that the red dot mark on the lens is aligned with the red dot mark on the main unit)



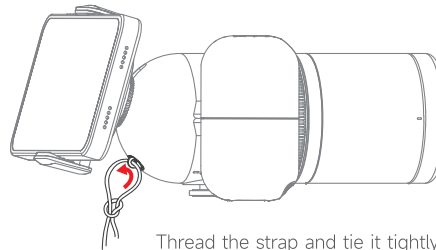
② Rotate counterclockwise (until a slight pop-in sound is heard)

### The way to adjust the appropriate clamping posture



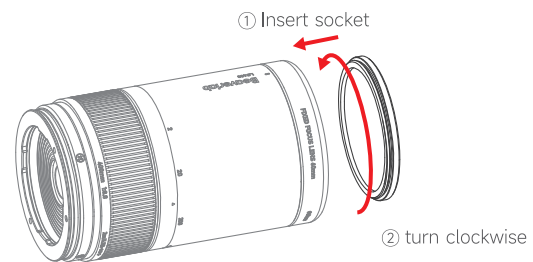
Adjust the grip and the mobile phone clamping seat to an appropriate position.

### The way to install the camera strap



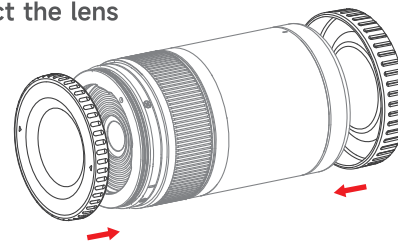
Thread the strap and tie it tightly.

### Lens Filter Accessories Mounting Instructions



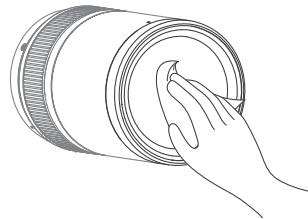
This Smart Ultra Telephoto lens can be used with all the market 58mm size camera filters and accessories.

### The way to protect the lens



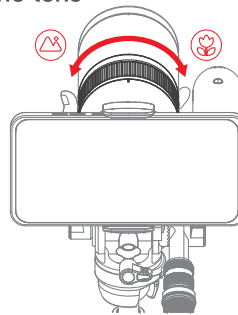
Cover the lens when not in use.

### The way to clean the lens



After removing the lens cover, wipe it with a dust-free cloth or a dust-free cotton swab and a special lens cleaner.

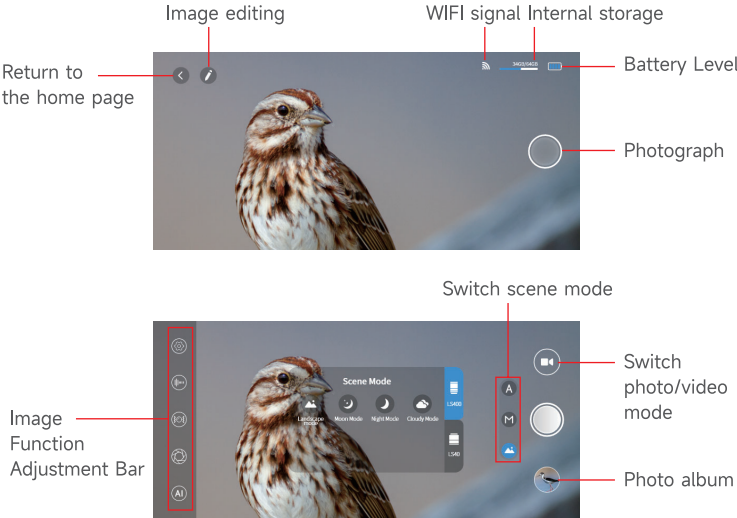
### The way to adjust the lens



Clockwise rotation: zoom in  
Counter-clockwise rotation: zoom out.

## 05 Guide to the use of APP

### Introduction to Software Interface Functions:





Photograph



Click to switch to the photo mode.



Click to switch to the recording mode.

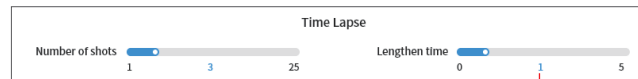
#### When in photo mode

1. Short press: single shot

#### When in photo mode (Turn on time-lapse)

1. **Short press:** time-lapse filming (After clicking the shooting icon, the set time-lapse duration will appear on the screen, the maximum time-lapse duration is 5s, and the maximum number of shots after time-lapse is limited to 25)

2. The speed limit is 5 shots per second (e.g., if set to take 20 shots, the capture time is 4 seconds)."



When the number is not 0, the time-lapse mode is on.

#### When in video mode

Press for a short time to start recording, then press for a short time to stop recording. The operation interval is  $\geq 2S$ .

#### Image Function Adjustment Bar



Reduce the noise  
ON/OFF



Shake function  
ON/OFF



Image parameter  
adjustment  
ON/OFF



AI algorithm  
adjustment  
ON/OFF

#### AI algorithm adjustment



APP noise reduction: ON/OFF



Defogging: ON/OFF









Color enhancement algorithm: ON/OFF










Algorithm Anti-shake: ON/OFF

## Image parameter adjustment

-  **Exposure:** adjust the exposure manually.  **White balance:** manually adjust the color temperature deviation of the image.
-  **ISO:** manually adjust the sensitivity of the camera to light.  **Contrast:** manually adjust the ratio of black to white of the image.
-  **Saturation:** manually adjust the saturation degree of the image color.  **Sharpening:** manually adjust the clarity and details of photos.

## Scene mode

-  Manual mode  Landscape mode  Portrait mode  Night mode
-  Movement mode  Cloudy day mode  Moon mode

## Mobile phone wireless connection

### APP Download and installation:

1. The Smart Ultra Telephoto Camera should be fully charged before use. If the observation time needs to be extended, it can also be equipped with charging devices such as mobile charging bank to charge in time during the observation.
2. Scan the QR code below to download the APP (search "Beaver Point" in App store or Google Play to download the APP)



Android

Scan here to download APP

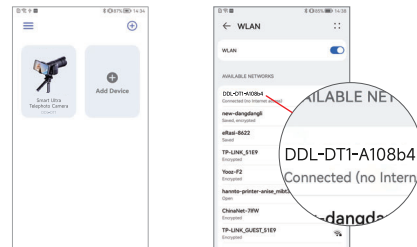


iOS



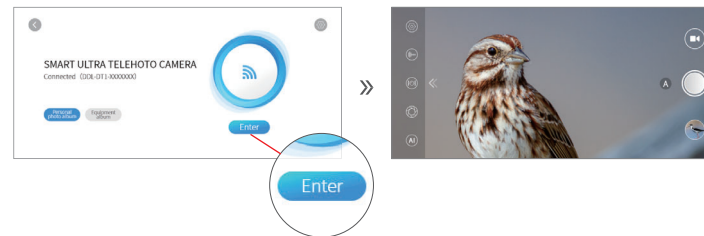
## Equipment connection

After the device is turned on, open the mobile APP, select Add Device → select the WiFi name corresponding to the Smart Ultra Telephoto Camera (such as DDL-DT1-XXXX), connect it, add the device and click Enter. (If the device has been added, you can directly click to enter and then connect to WiFi.)



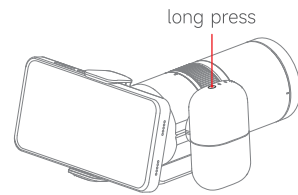
**Smart Ultra Telephoto Camera WiFi Password: 12345678**

Open the homepage and click Enter to enter the real-time transmission screen.

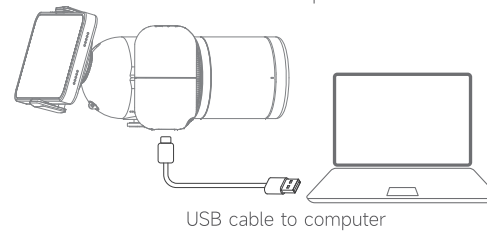


## Instructions for computer connection

1. Press and hold the Power Button for 2 seconds to power on the device.



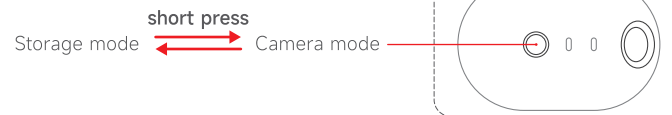
2. Use the included data cable to connect the device to the computer.



3. When connecting to the computer for the first time, the default mode is storage mode. At this time, the computer can access the device's internal storage.

4. Press the the Power Button briefly to switch to camera mode. At this time, the computer can access the device's camera.

5. Press briefly again to switch back to storage mode (the modes cycle between storage mode and camera mode).



6. After unplugging the USB cable or ejecting the device, it will automatically switch to Wi-Fi standalone mode.

## 06 Accessories and tools



## 07 Troubleshooting

Problems	Causes	Solutions
Heating during charging	It is normal for the battery to generate high heat due to a large current during charging.	Normal Conditions
The device can't connect to the phone or tablet.	①Check whether the cellular data network is closed. ②Check whether the equipment is damaged.	①Turn off the mobile network before connecting to use. ② Need maintenance.
The device cannot be charged.	① The charging interface is not plugged firmly. ② No power supply is connected. ③ Equipment failure.	①Reconnect the connector. ②Connect the power supply. ③Need maintenance.
The equipment cannot be used normally.	Internal damage of equipment due to water dripping and collision.	Need Maintenance.

Problems	Causes	Solutions
The image is stuck after the device is connected.	①Less mobile phones are too far away from the equipment. ②The memory occupied by other programs of the mobile phone is too large. ③The configuration of the mobile phone is insufficient. ④The equipment is used for too long.	①Please use it within 3m of the equipment, or use it closer. ②Clear other programs on the mobile phone, then use them. ③Replace the mobile phone with a higher configuration, then use the equipment. ④Turn it off and wait for a while before using it.
Image blurred after device connection/ A problem of white/ black	①Take off the lens cover. ②No suitable model has been selected or the parameters have not been adjusted.	①Please take off the lens cover before using it. ②Pay attention to adjusting the image parameters to select the appropriate mode to avoid the problem of white/black.
The device cannot connect to the computer software.	The interface is not plugged tightly, the data cable is damaged, and the connecting cable with data transmission function is not used.	Re-plug the interface, replace the data cable, and replace the data cable with data transmission function before connecting it for use.
Screen display image is blurred	The sudden change in ambient temperature caused the lens to fog.	Use it only after the temperature is constant and the fog disappears.
There are foreign matter in the photos, or photos are not clear	①Dirt/foreign matter on the outer surface of the lens. ②Black spots/foreign matter inside the lens. ③Dirt/foreign matter on the outer surface of the main unit's lens section. ④Black spots/foreign matter inside the main unit's lens section.	If there is dirt/foreign matter on the outside, please use a dust-free cloth or dust-free cotton swab with alcohol to wipe and clean. If there are black spots/foreign matter inside, please send it back to the manufacturer for cleaning treatment
The mobile phone clip does not stretch smoothly.	There are foreign matters stuck inside.	Clean up foreign matters before use.

Problems	Causes	Solutions
The shell is broken and cracked due to falling and impact.	Damage caused by external use	Need maintenance
Bad touch of keys and a poor rebound.	Internal key failure	Need maintenance
The product can't be turned off or the key is out of order.	Device Crash	Please reset and restart.

## 08 Trademarks and legal statements

**Beaverlab** is a trademark applied or registered by Beaverlabtech Limited Liability Company in the worldwide, and used on this product. Without the permission of the trademark owner, no person or organization shall use the above trademark logo on unapproved goods without authorization.

This manual is produced by Beaverlabtech limited liability company and has a copyright. No organization or individual may reproduce or distribute all or any part of this manual without permission.

### FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

### **Battery Precautions**

1. The product uses rechargeable batteries.
2. Rechargeable batteries must be charged under adult supervision.
3. Please use the recommended charger.
4. Power supply electronics shall not short circuit

General parameter

Projects	Specifications
Product Name	Smart Ultra Telephoto Camera (Excope DT1)
Product Model	DDL-DT1 (400) / DDL-DT1 (40)
Product Color	Dark grey and Black
Battery Capacity	3000mAh
Material	ABS, PC+ABS, 304 Stainless Steel, Silica gel, Optical Glass, AL6063, Electronic Components



By scanning you will be able to  
Download APP  
Get exclusive benefits  
Unlock more ways to play

## Smart Ultra Telephoto Camera

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Product name: Smart Ultra Telephoto Camera (Excope DT1)    Input voltage: 5V  $\pm$  2A

Product model: DDL-DT1 (400) / DDL-DT1 (40)

Product size: 111.8x208x87.2mm (400) / 111.8x166.2x87.2mm (40)

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Brand Company: Beaverlabtech Limited Liability Company

Website: [www.beaverlabtech.com](http://www.beaverlabtech.com)

E-mail: [support@beaverlabtech.com](mailto:support@beaverlabtech.com)

INS: <https://www.instagram.com/beaverlabtech/>

YouTube: <https://www.youtube.com/channel/UCU-prXLB>

Twitter: <https://twitter.com/BEAVERLABOS>

QS-DdJa-iEJ9Njg

Facebook: <https://www.facebook.com/people/BEAVERLAB-Us/100093065594303/>

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