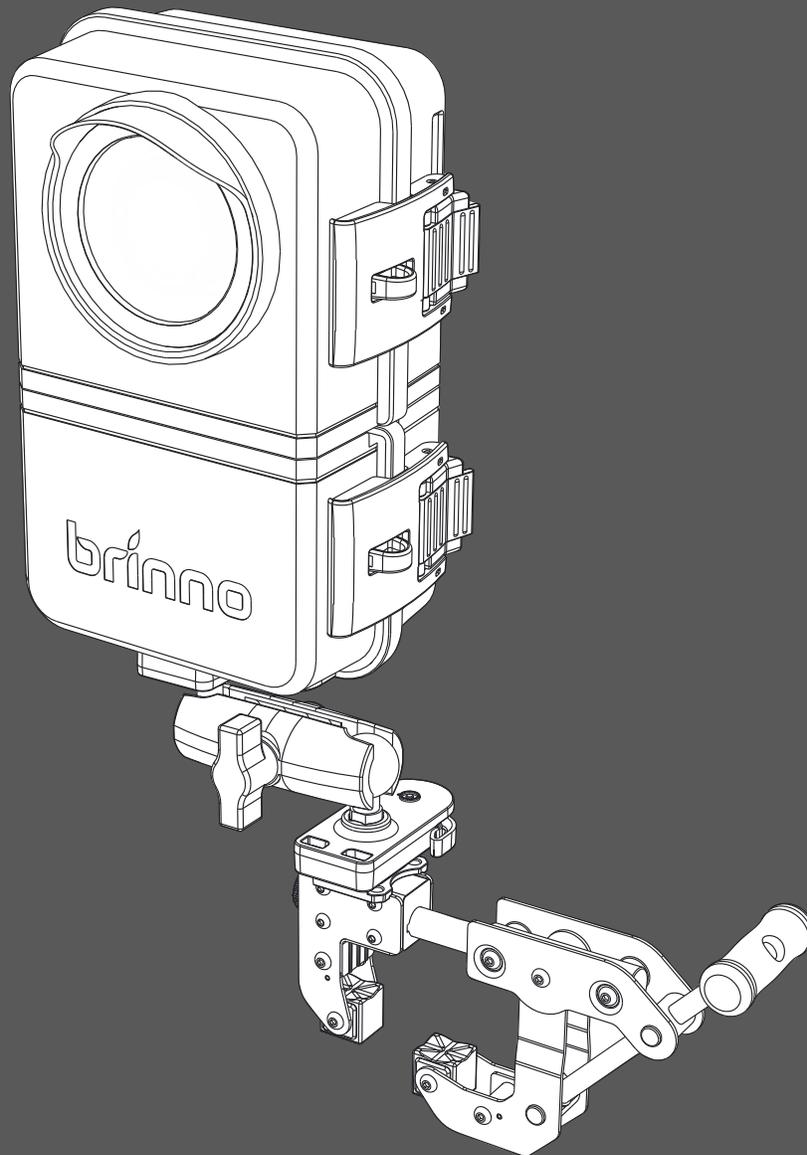


Wi-Fi & 4K CONSTRUCTION TIME LAPSE CAMERA

BCC5000



User Manual

brinno
brilliant innovation

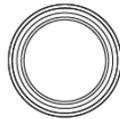
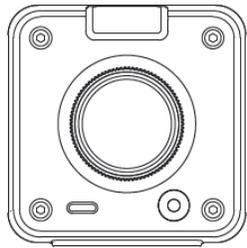
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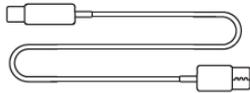
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In the Box

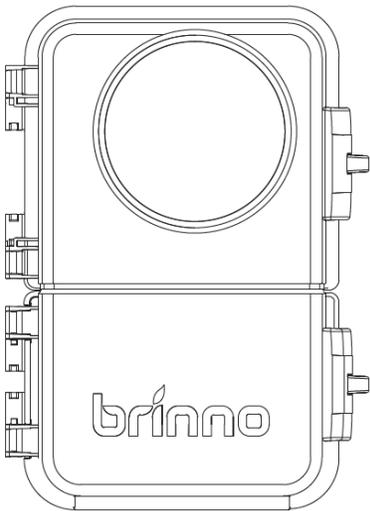
1. 4K Time Lapse Camera - TLC5000



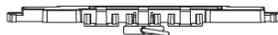
- 1.1. Camera
- 1.2. Lens hood
- 1.3. USB-C cable
- 1.4. MicroSD card with adapter



2. Construction Power Housing - ATH5000

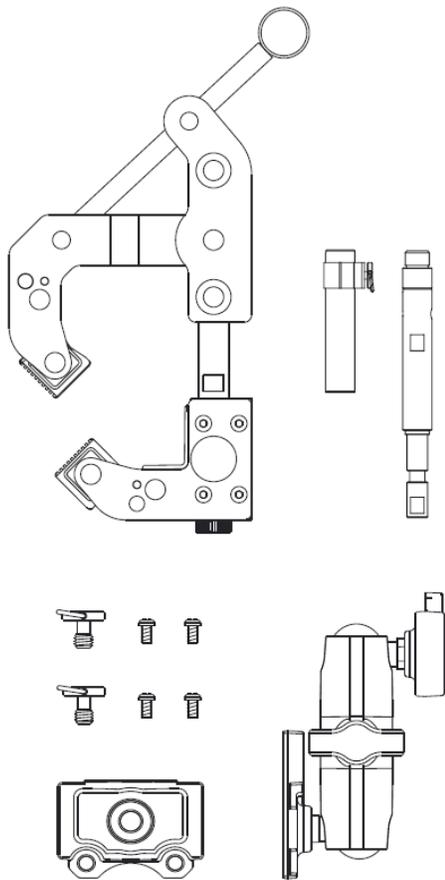


- 2.1. Camera protective housing
- 2.2. Extra battery slot
- 2.3. Camera mounting adapter (pre-install in the camera protective housing)



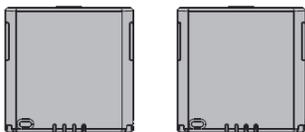
In the Box

3. Camera Clamp Pro - ACC5000



- 3.1. Camera clamp
- 3.2. Extension poles
- 3.3. Magic arm
- 3.4. Quick release adapter
- 3.5. Screws

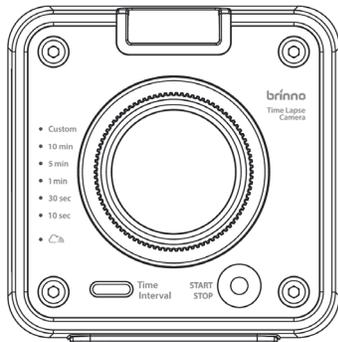
4. Battery Pack - MRB1000



- 4.1. Rechargeable battery pack x2

Device Parts

1. Camera



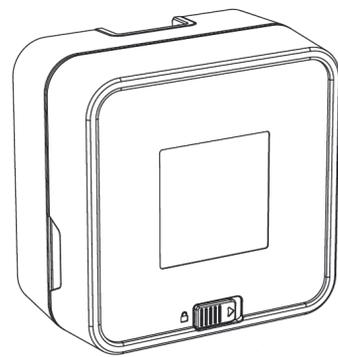
FRONT

- 1.1. Spirit level
- 1.2. Lens
- 1.3. Start/stop button with LED indicator
- 1.4. Time interval button
- 1.5. Tripod mount (size: 1/4")



1.6. SIDE

- 1.7. Power switch
- 1.8. MicroSD card slot
- 1.9. USB-C socket
 - Charging battery (need to turn on camera power)
 - Power supply



BACK

- 1.10. Battery cover
- 1.11. Cover lock
Battery slot

Device Parts

2. Construction Power Housing



FRONT SIDE

FRONT SIDE

- 2.1. Extra battery slot x3
- 2.2. Battery lock
- 2.3. Power-in port (for solar power) (USB-C)
- 2.4. Data transfer port
- 2.5. Door & latch



BACK SIDE

BACK SIDE

- 2.6. Camera mount adapter
- 2.7. External power connector (USB-C)
- 2.8. Door & latch
- 2.9. Tripod mount (size: 1/4")

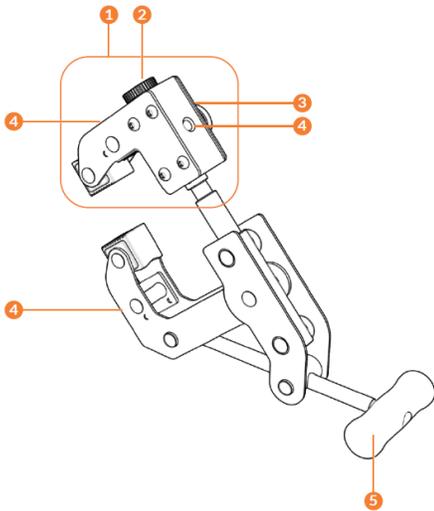
Device Parts

3. Camera Clamp Pro



Magic Arm

- 3.1. Quick release adapter (for camera)
- 3.2. Flex arm knob
- 3.3. Clamp mount

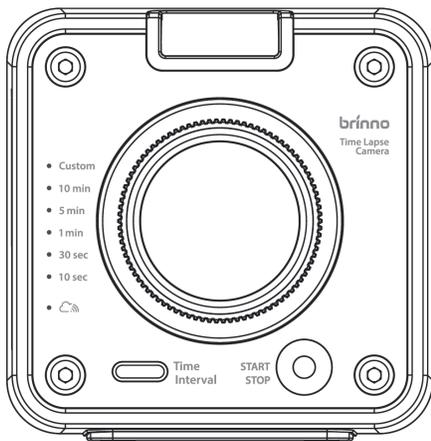


Camera Clamp

- 4.1. Clamp head
- 4.2. Extension pole hole knob
- 4.3. Clamp head knob
- 4.4. Mounting hole (1/4") (x3)
- 4.5. Handle

LED Indicators

1. Camera



1.1 Power/recording status

- GREEN

Solid: Power on

Blinking: Recording

- RED

Solid: No SD card,

Blinking: Low battery, low MicroSD card storage

1.2 Time interval

- GREEN

Solid: Indicated current time interval setting

1.3 Connection status

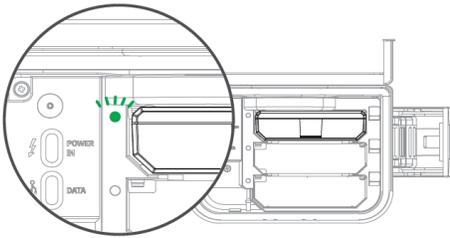
- BLUE

Solid: Camera connected to camera server

Blinking: Wi-Fi connecting

LED Indicators

2. Construction Power Housing (Battery Slot)



When battery pack inserted:

LED lights on: standby

● Green: Battery capacity > 15%

● Red: Battery capacity < 15%

(recommended to charge battery pack)

LED blinking: Battery pack is currently powering the camera.

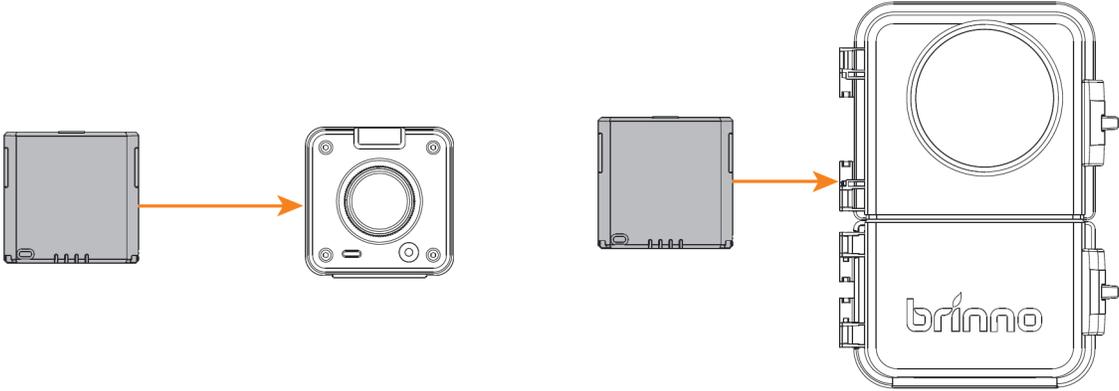
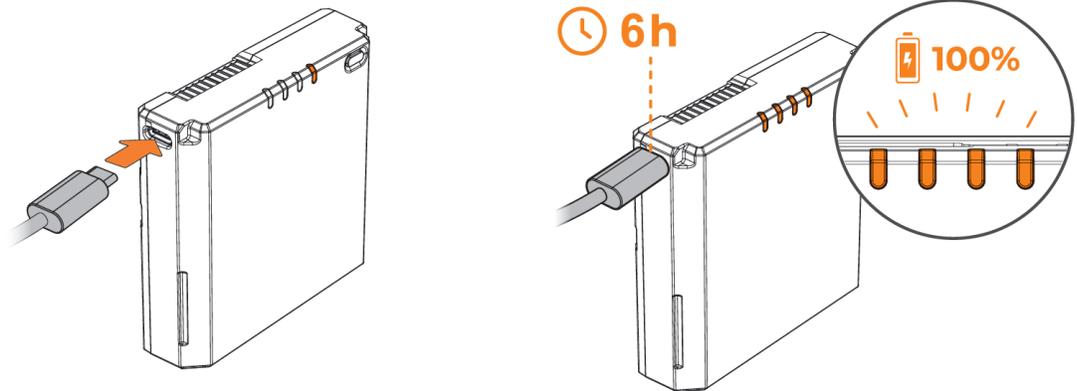
LED lights-off:

- Remaining battery capacity too low.
- Battery error.

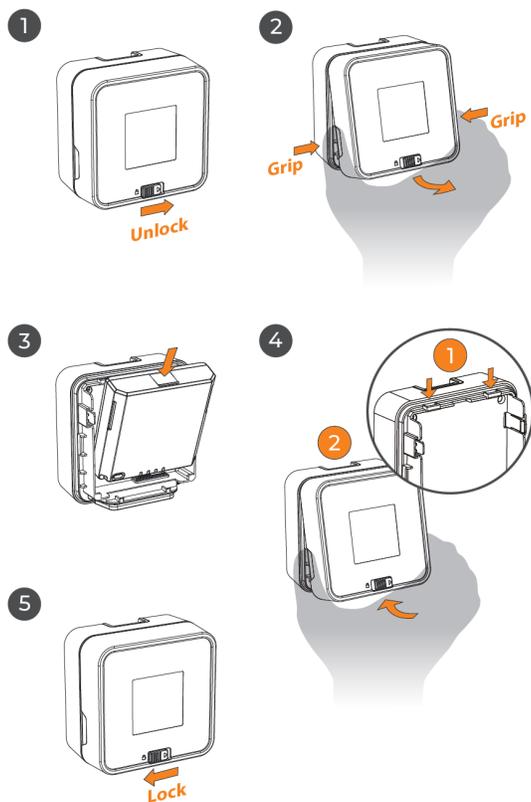
Please remove the battery pack and charge through an external DC adapter.

Initial Setup

Charge Before Use



Camera | Installing Battery Pack

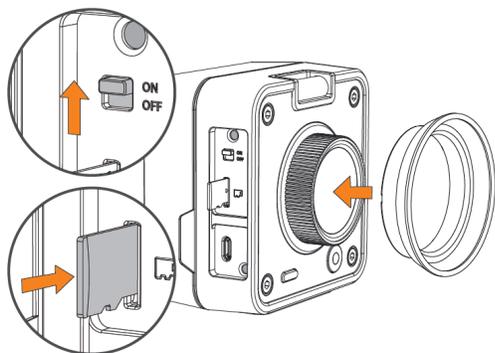


1. Unlock the battery cover.
2. Remove the battery cover.
3. Install battery pack.
4. Close the battery cover.
5. Lock the battery cover.

Camera | MicroSD Card & Lens Hood

6

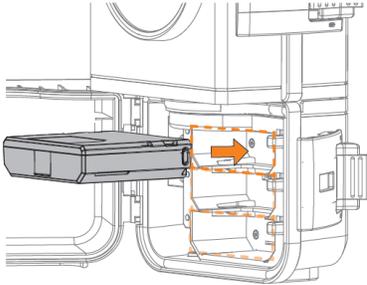
Open the microSD card cover



6. Insert lens hood.
7. Insert microSD card.
8. Turn on camera.

Housing | Installing Battery Pack

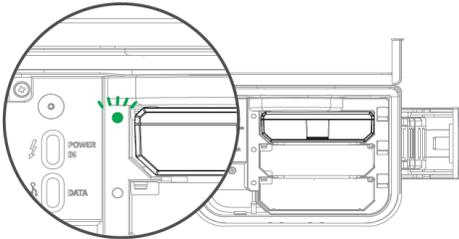
1



Open Battery slot cover

1. Insert the battery pack included in the package*.
2. Green LED lights on meaning the battery pack is installed correctly.
3. Lock the battery pack with battery lock.

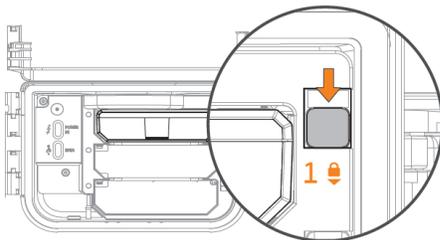
2



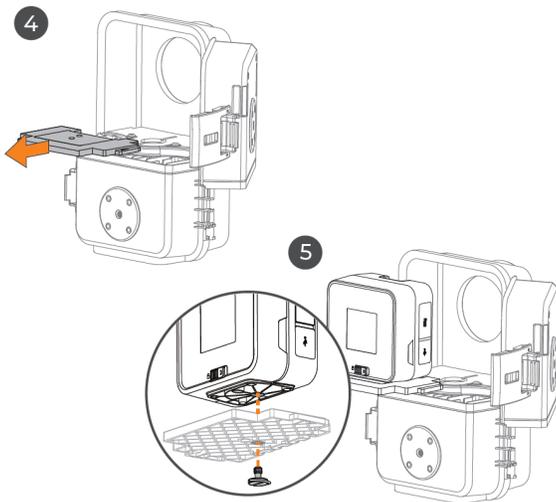
NOTE:

1. Fully charged before use.
2. Supports up to 3 battery packs in total.

3

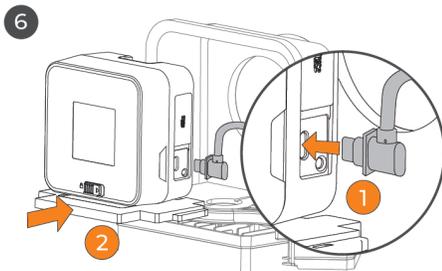


Housing | Installing Camera



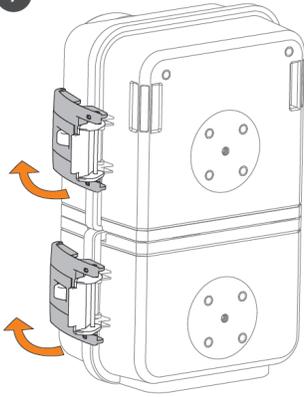
Open CAMERA HOUSING cover

4. Remove the camera mounting adapter.
5. Secure the camera and the adapter with the screw.
6. Open the USB-C cover on the camera, and plug the external power connector into the camera. Then, insert the adapter with the camera attached back into the camera housing.



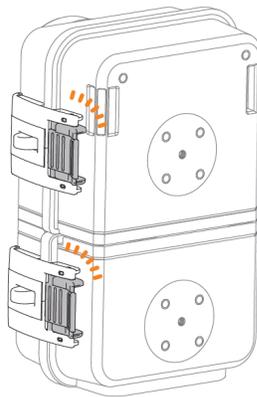
Housing | Locking the Door

7



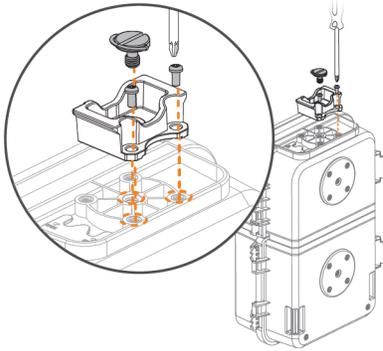
7. Secure the door of the housing.
8. Lock the latches, and a "click" sound means correctly installed.

8



Clamp | Install Release Adapter

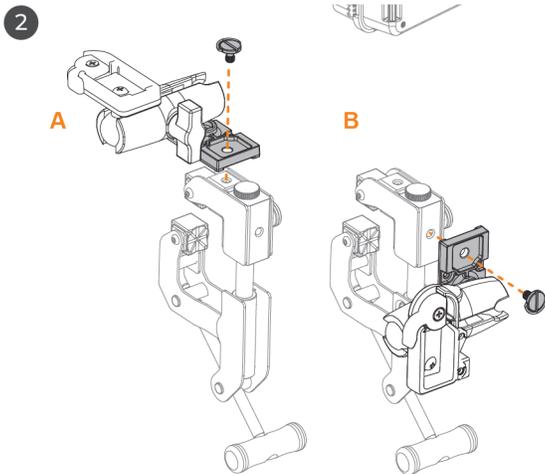
1



2

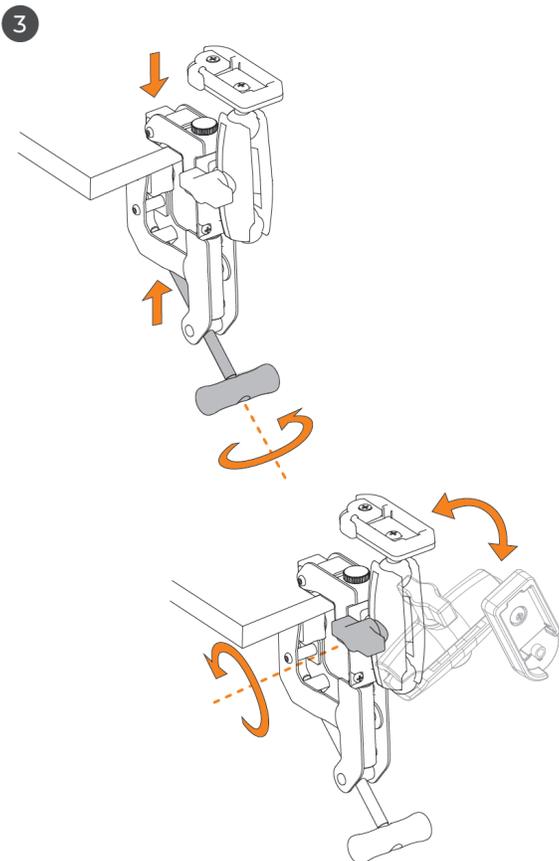
1. Remove the Quick Release adapter from the Magic Arm.
2. Install the Quick Release adapter to the Construction Power Housing with the big screw and two other small screws.

Clamp | Assemble Magic Arm



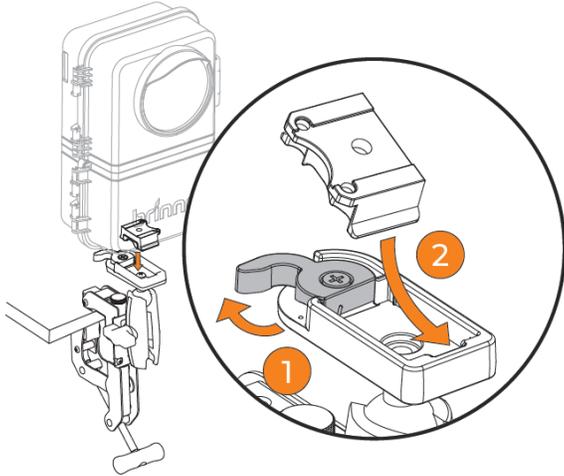
3. Install Magic Arm on the Camera Clamp

Clamp | Assemble

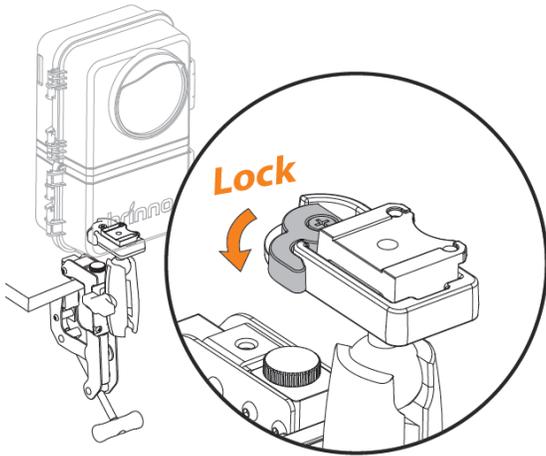


1. Attach Camera Clamp to a desired location, tightening the handle.
2. Adjust Magic Arm to a desired position.

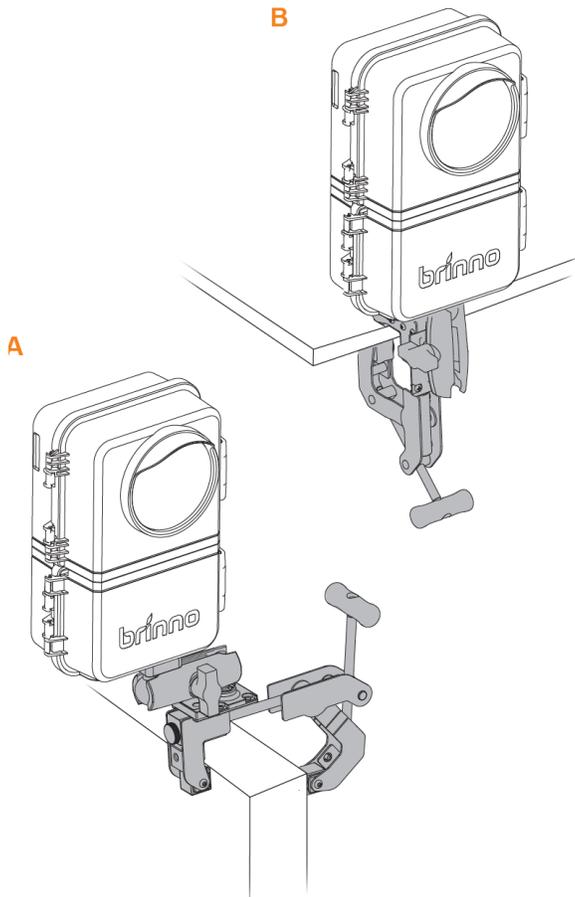
Clamp | Assemble Housing to Clamp



1. Loosen the locking switch.
2. Slide the Quick Release adapter at a tilted angle to secure it.
3. Lock the switch.

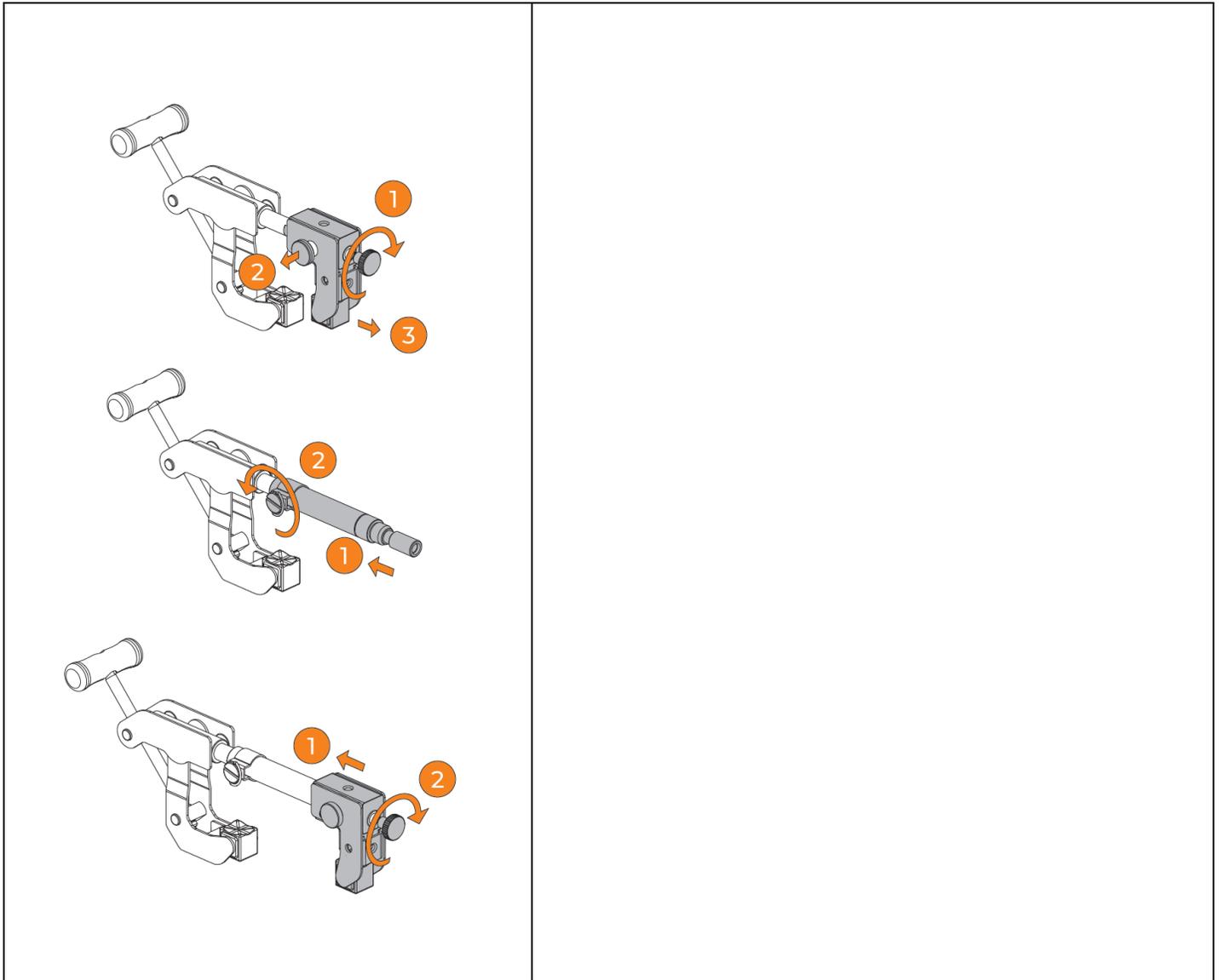


Clamp | Find Your Desired Position

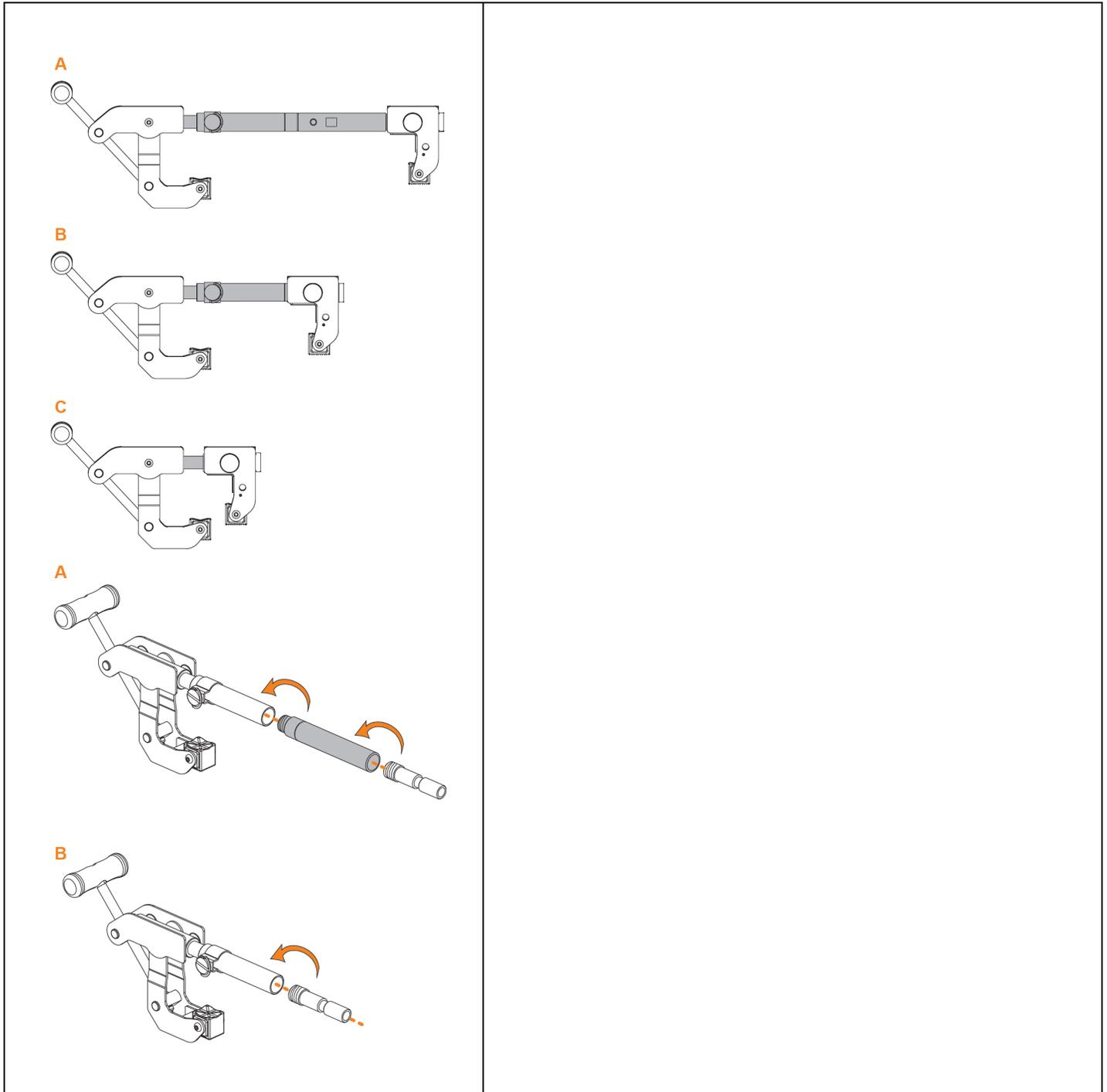


1. Adjust the whole set to find your desired position

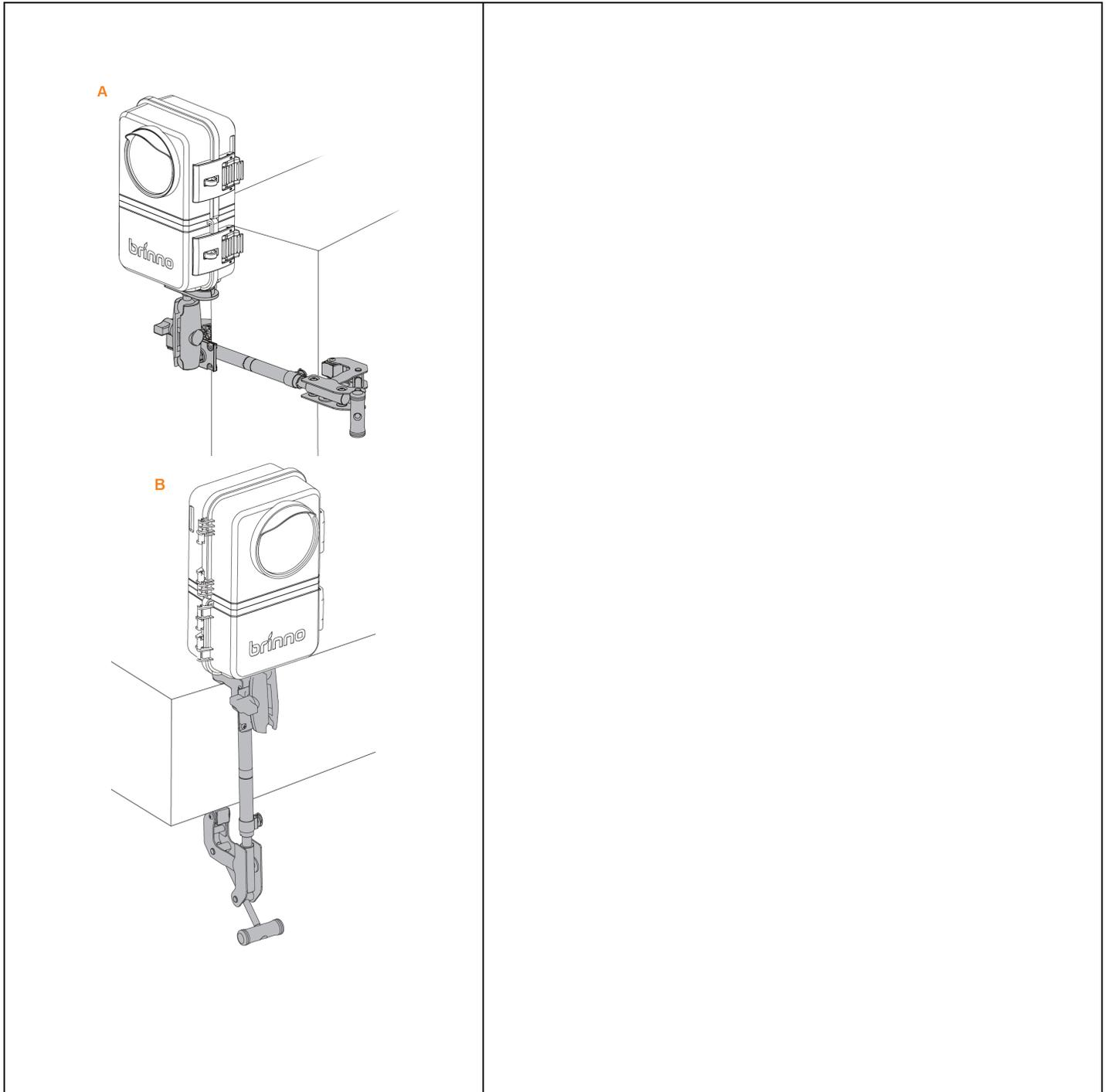
Clamp | Install Extension Pole



Clamp | Install Extension Pole



Clamp | Install Extension Pole



Operating Methods

3 Operating Methods

The camera (TLC5000) can be operated through the following methods:



1. Bluetooth operation (initial setup, local control)

- Initial camera setup.
- Short-term project.
- Local control.
- Laptop or desktop.



[Bluetooth App \(CLICK HERE\)](#)



2. Wi-Fi operation (remote control)

- Completed Wi-Fi setting thru Bluetooth operation.
- Long-term project.
- Remote control.
- Phone, tablet, laptop or desktop.



[Wi-Fi Operating App \(CLICK HERE\)](#)

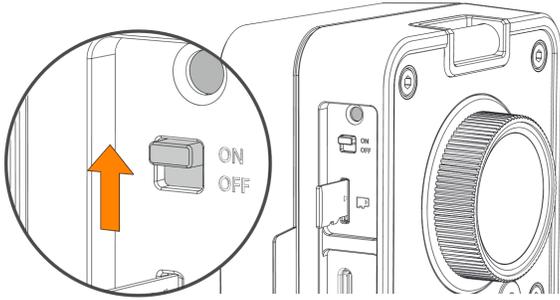


3. On-Camera operation

- Select desired time interval.
- Start/stop recording.

Bluetooth Operation

Bluetooth Operation



Turn on the camera.



Using Google Chrome to access the following web app on your laptop or desktop*.

 [Bluetooth app \(CLICK HERE\)](#)

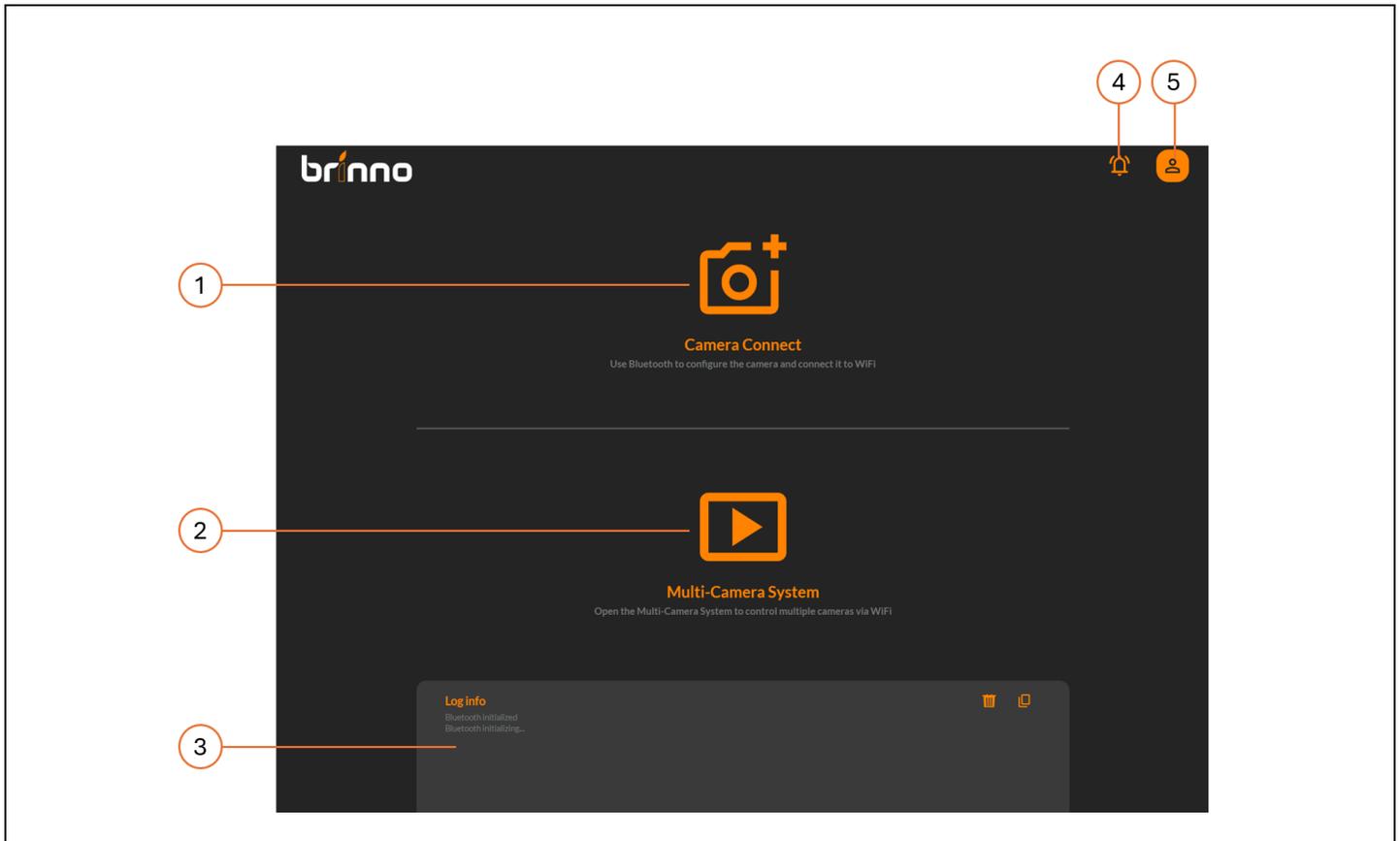
NOTE: Make sure Bluetooth function on your laptop or desktop is enabled.



Requirements:

- Laptop or desktop with Bluetooth function
- Operating system: Windows or macOS
- Web browser: Google Chrome
- Connecting range: Within 10 meters.

Bluetooth | Home Page



1. Camera Connect

Connect camera through Bluetooth (BLE) for initial setup.

2. Multi-Camera System

Once the camera is connected to camera server through Wi-Fi, you can manage your cameras remotely.

3. Log info

Display all camera log info for internal analytics.

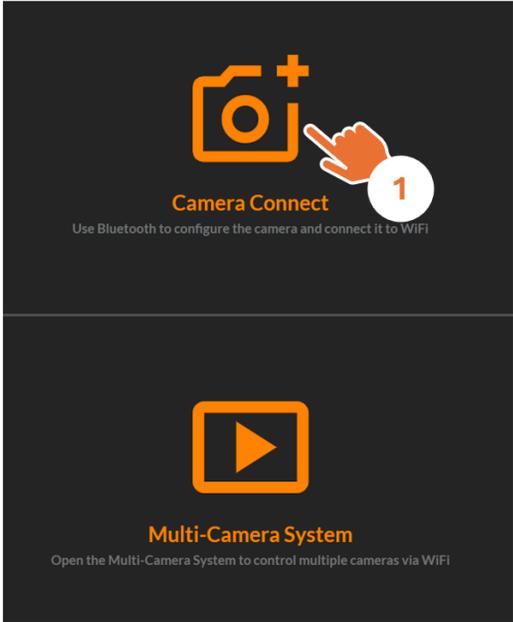
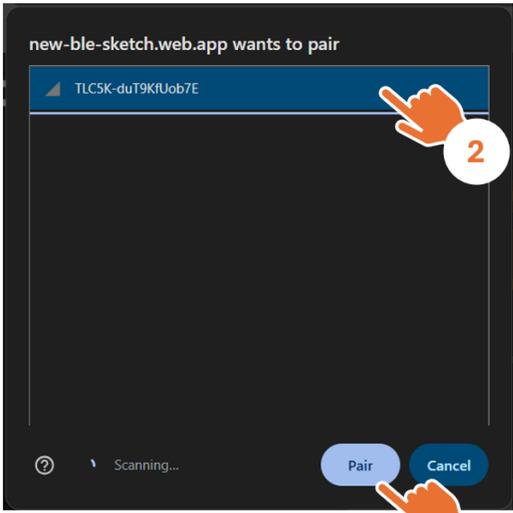
4. Notifications

Display all notifications.

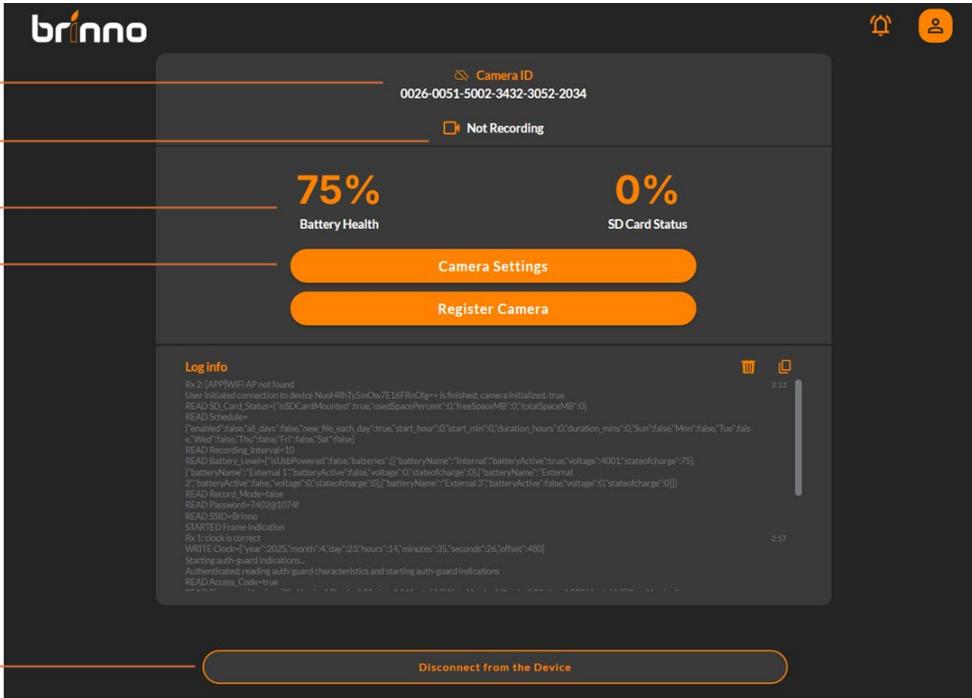
5. Account Setting

Login/sign up, push notifications, language setting, help center.

Bluetooth | Camera Connect

	<ol style="list-style-type: none">1. Click Camera Connect.
	<ol style="list-style-type: none">2. Find the camera with the unique Bluetooth ID. *Every camera has a unique Bluetooth ID.3. Click Pair.

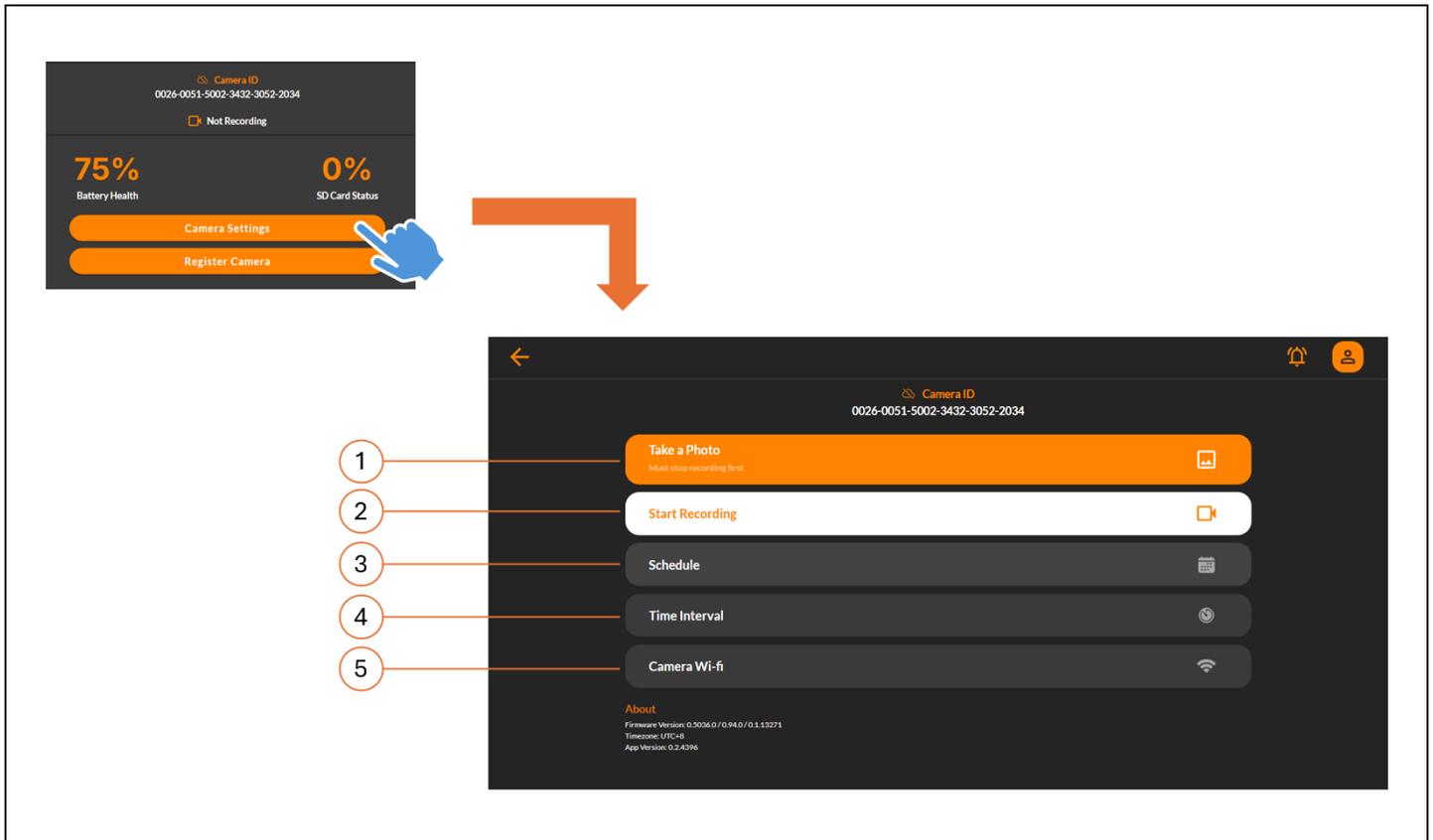
Bluetooth | Camera Status



The screenshot shows the Brinno camera status interface. It features a dark background with orange text and buttons. At the top left is the Brinno logo. The main content area displays the camera ID (0026-0051-5002-3432-3052-2034), a 'Not Recording' status, and battery/SD card information (75% Battery Health, 0% SD Card Status). Below this are 'Camera Settings' and 'Register Camera' buttons. A 'Log info' section shows a scrollable list of system logs. At the bottom is a 'Disconnect from the Device' button. Five numbered callouts (1-5) point to these specific elements.

1. Camera ID
2. Camera recording status
3. Camera battery & SD card capacity
4. Camera settings
5. Disconnect camera

Bluetooth | Camera Settings



Click **Camera Settings**, go to setting page:

1. Take a Photo

The camera will send one photo through Bluetooth.

2. Start Recording

Start/stop recording with Bluetooth app.

3. Schedule Setting

Set daily & weekly capture schedule.

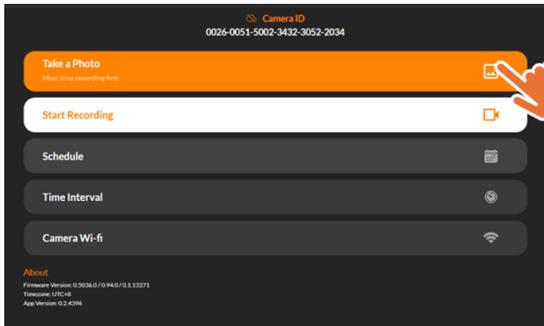
4. Time Interval

Set time interval.

5. Camera Wi-Fi

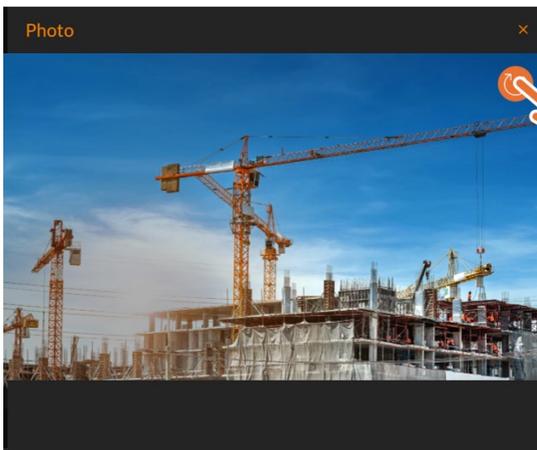
Setup Wi-Fi connection to the camera for remote control.

Bluetooth | Take a Photo (adjust camera view angle)



1. Click *Take a Photo*.

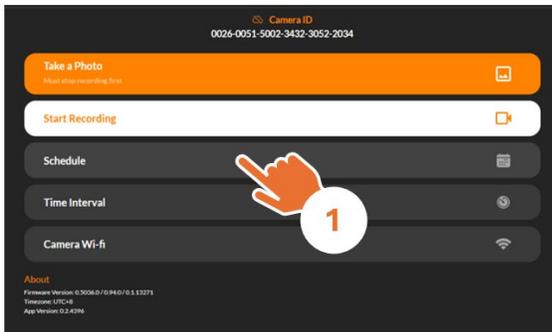
Camera instantly captures the present frame and sends to Bluetooth app.



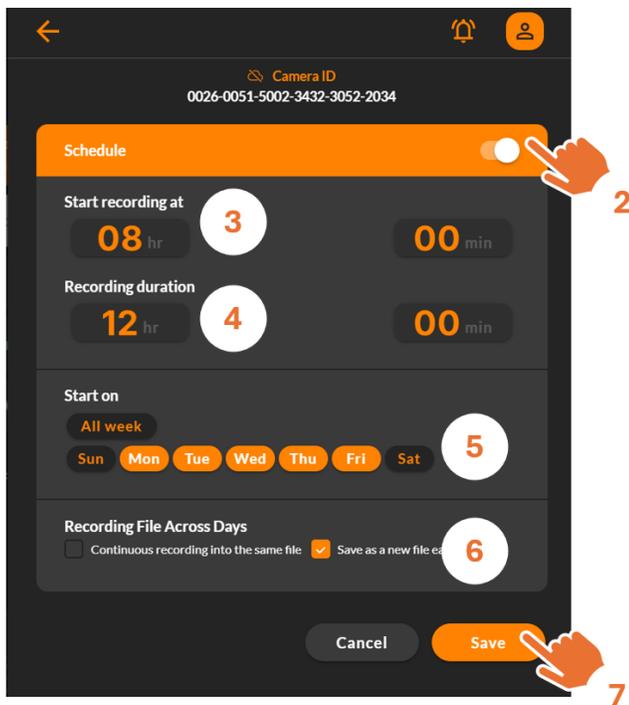
2. Check camera view angle.

Adjust camera view angle, and click *Reload* to receive updated frame.

Bluetooth | Schedule Setting (daily & weekly recording schedule)



1. Click *Schedule*.



2. Enable/disable *Schedule*.

3. Select *Start Recording Time*

4. Decide *Recording Duration*

5. *Schedule Days*

Select desired recording days of week.

6. *File Split*

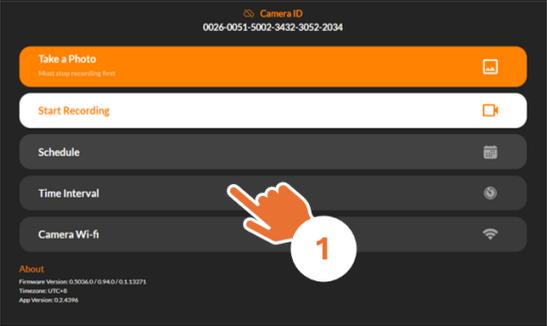
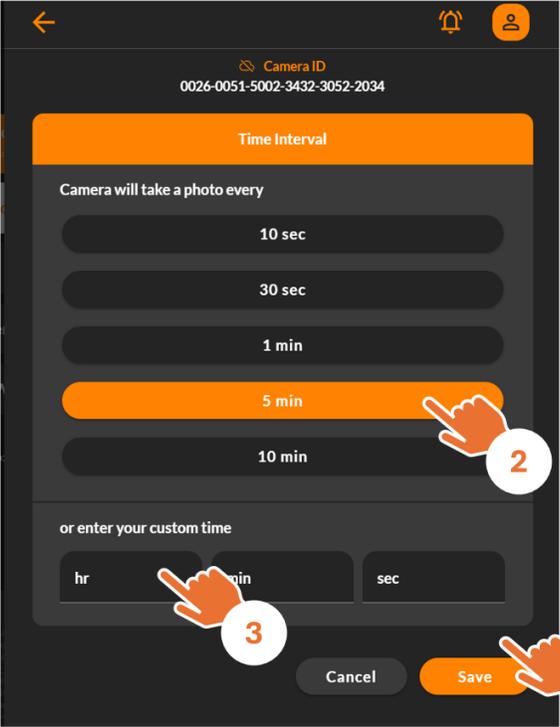
- **Continuous:** Camera will automatically combine several days of recording into a single file.

- **Daily:** Every daily recording produces a single **daily video file**.

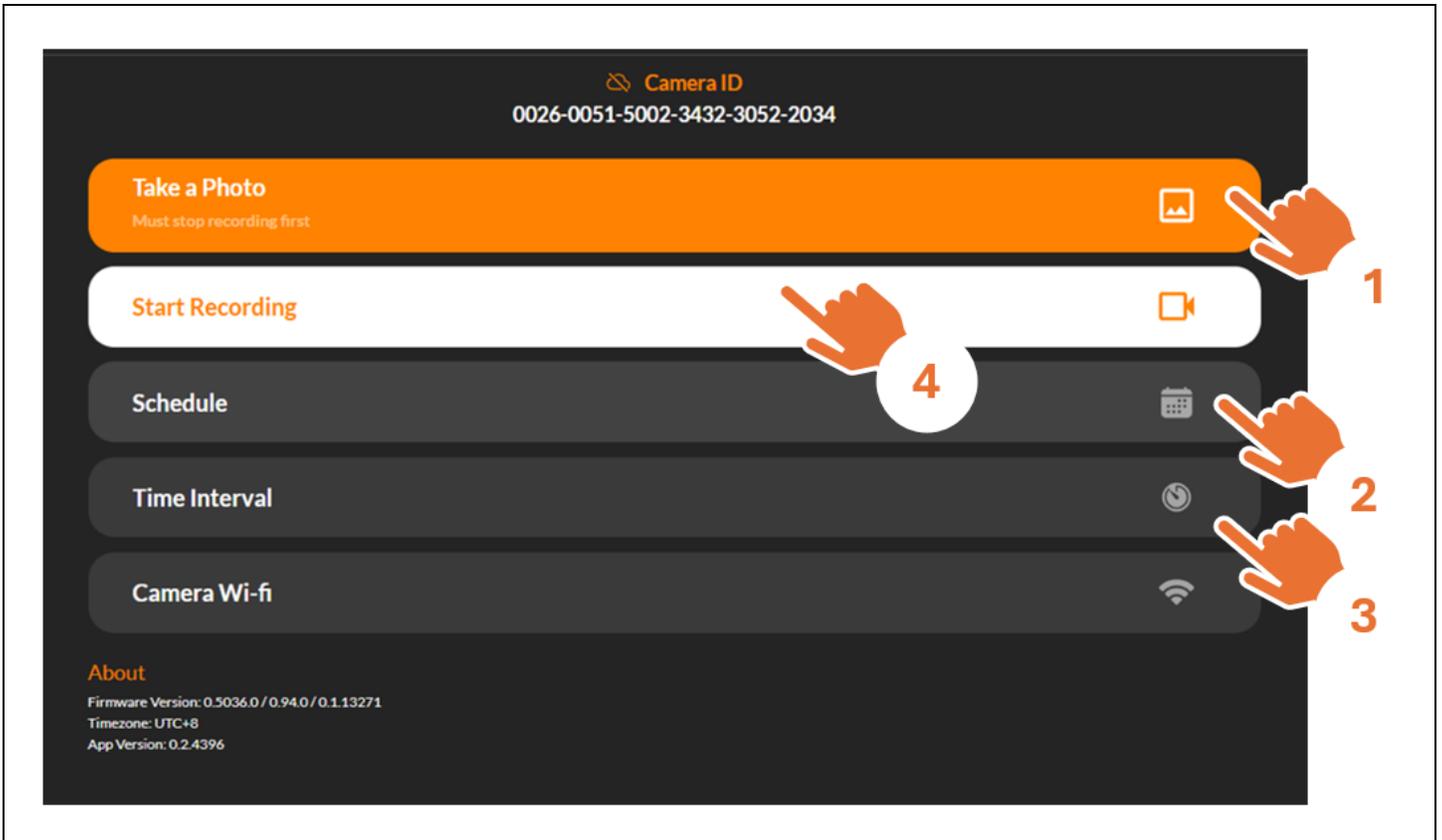
*File exceeding 500mb will be split into multiple files.

7. Click *Save* to save settings

Bluetooth | Time Interval

	<p>1. Click <i>Time Interval</i> Setting.</p>
	<p>2. Select desired time interval, or customize time interval according to your need.</p> <p>3. Click <i>Save</i> to save settings</p>

Bluetooth | How to Start a Time Lapse Recording

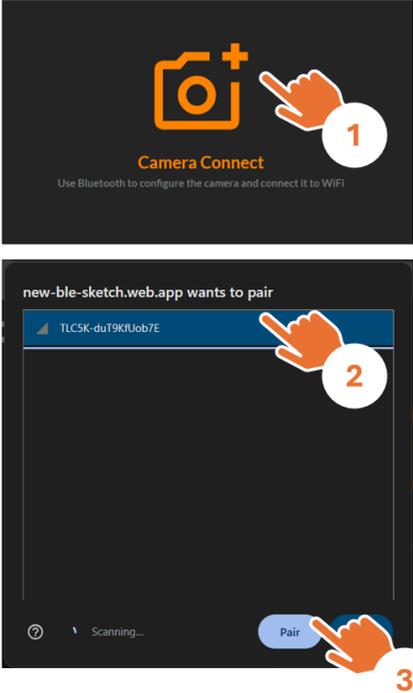
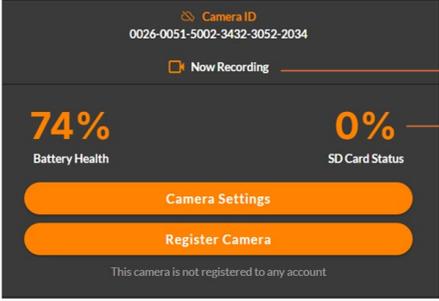


1. Take a photo to confirm camera view angle.
2. Set daily & weekly recording schedule.
3. Set desired time interval.
- 4 Start your time lapse recording.

NOTE:

To access the recorded video file, visit the Wi-Fi Operating App for download.

Bluetooth | How to Check Camera Status During Recording

	<p>Go to Bluetooth app (CLICK HERE)</p> <ol style="list-style-type: none">1. Click <i>Camera Connect</i>.2. Find the camera with the unique Bluetooth ID.3. Click <i>Pair</i> button.
	<p>At Camera Status page</p> <ol style="list-style-type: none">1. Indicate the camera is recording.2. Check battery & SD card capacity

Bluetooth | Add Camera to Your Account

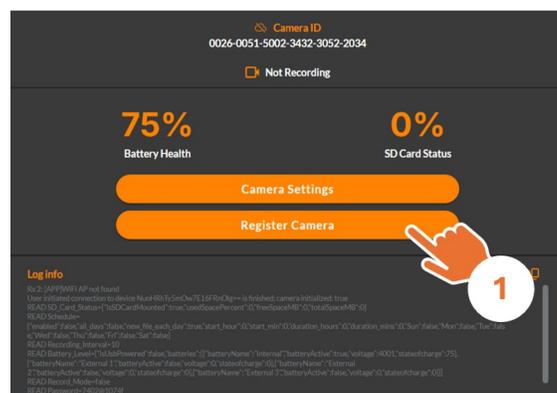
Adding a camera to your account means you can remote control all your cameras, it will require two steps:

Step 1. Sign up/login to your account.

Step 2. Setup Wi-Fi connection to the camera.

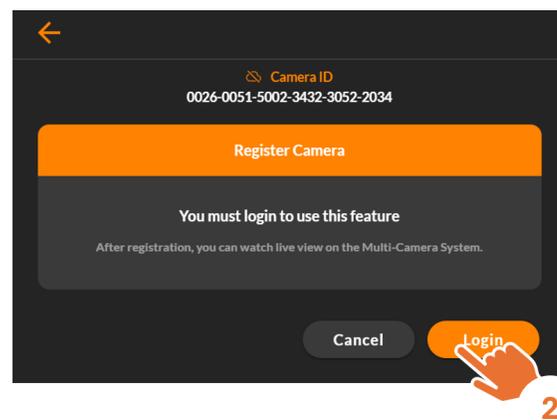
NOTE:

At this process, your laptop/desktop & camera need to connect to a stable Wi-Fi.



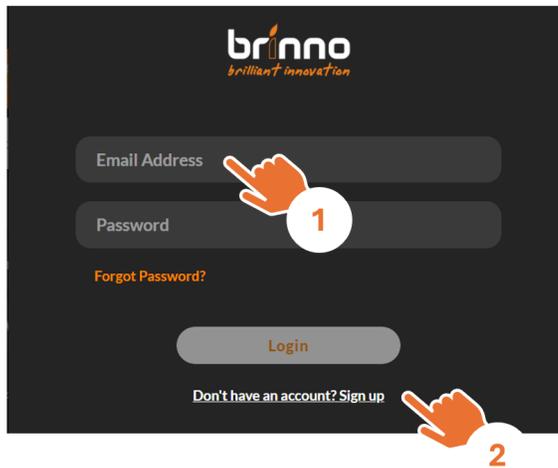
After connecting the camera through Bluetooth.

1. Click *Register Camera*.

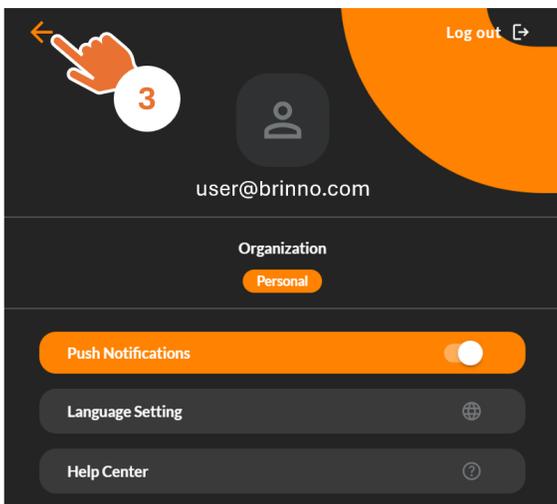


2. Sign up/login your account.

Bluetooth | Sign up/login Your Account

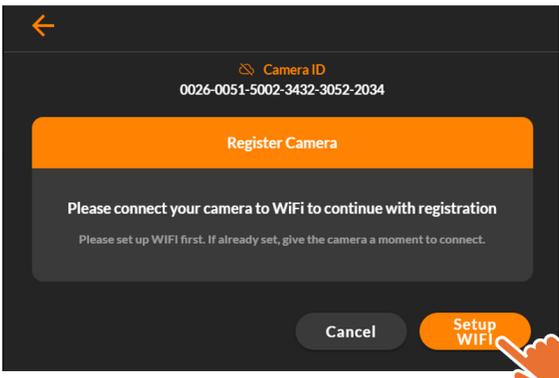
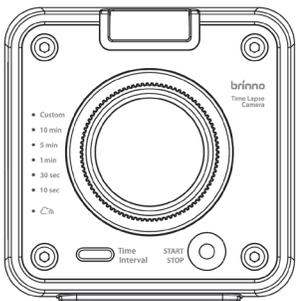


1. Login: If you already have an account.
2. Sign up: Create a new account.

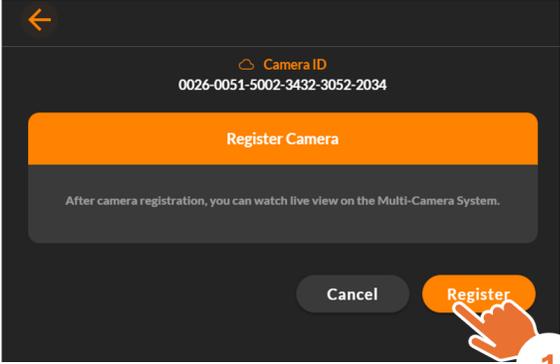
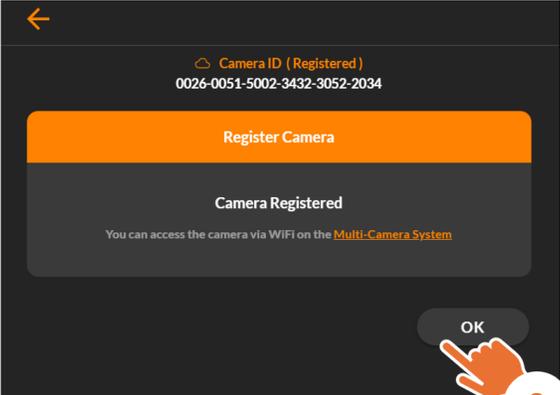


3. After completed account login/sign up, return to register camera page.

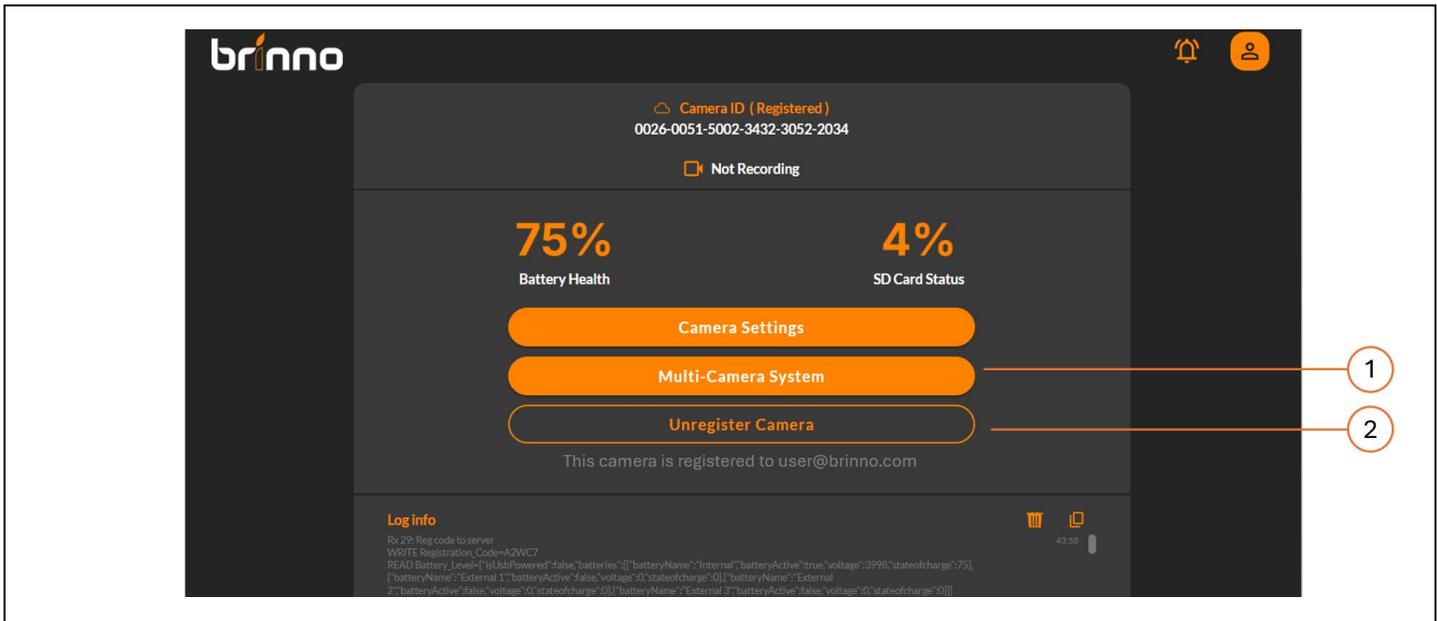
Bluetooth | Set Camera Wi-Fi

	<p>At Register Camera Page</p> <ol style="list-style-type: none">1. Click <i>Setup Wi-Fi</i>.
	<ol style="list-style-type: none">2. Enter your Wi-Fi name (SSID) & password. NOTE: Please ensure your Wi-Fi supports 2.4 GHz or Dual (2.4/ 5 GHz) frequency bands.3. Select <i>Remember my account</i>.4. Click <i>Save</i> to save settings.
	<p>The Blue LED blinks while connecting to Wi-Fi, and turns solid when the connection completes.</p>

Bluetooth | Register Camera

	<p>While camera is connected to Wi-Fi</p> <ol style="list-style-type: none">1. Click <i>Register</i>.
	<ol style="list-style-type: none">2. Camera Registered.

Bluetooth | Register Completed



Once the camera is registered, you can use the following functions:

1. Multi-Camera System

Remote control all your registered cameras through Brinno cloud platform.

2. Unregister Camera

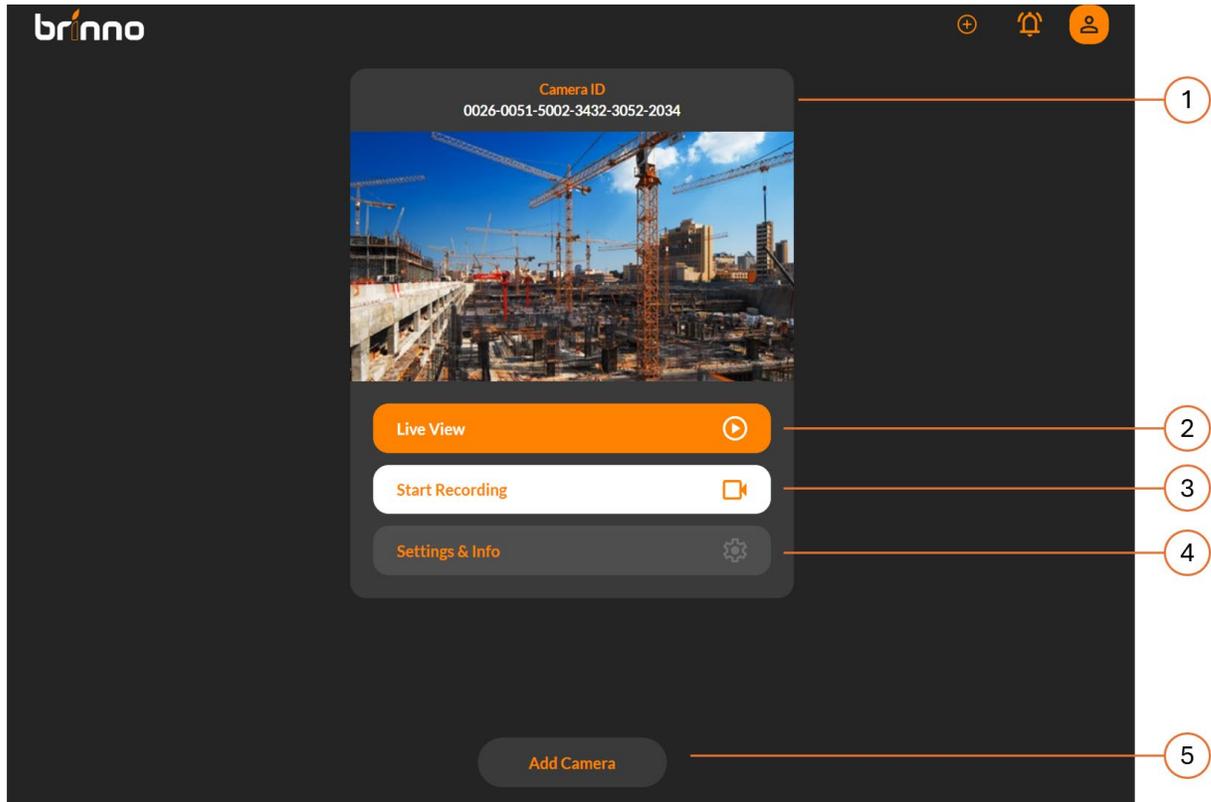
Remove the registered camera from your account.

Wi-Fi Operation

Wi-Fi Operation

	<p>Mount construction camera at desired position.</p>
	<p>Using any browser to access the following web app on your mobile devices, laptop or desktop.</p> <p> Wi-Fi Operating App (CLICK HERE)</p> <p>NOTE: Make sure all devices are connected to Wi-Fi or LTE.</p>

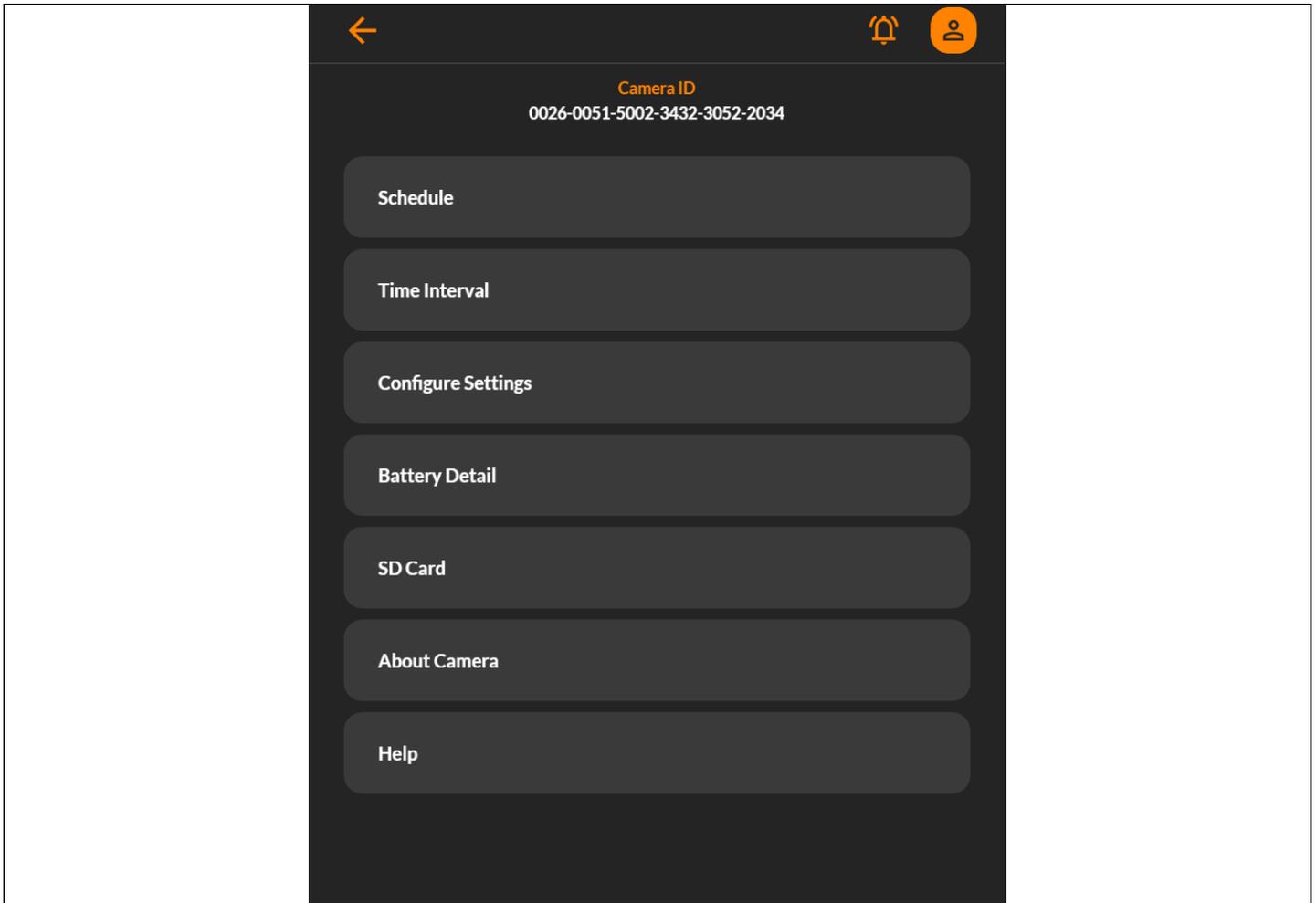
Wi-Fi Operation



At Multi-Camera System home page [Wi-Fi Operating App \(CLICK HERE\)](#)

1. Camera ID
2. Live view
3. Start Recording
4. Camera Setting & Info
3. 5. Add Camera

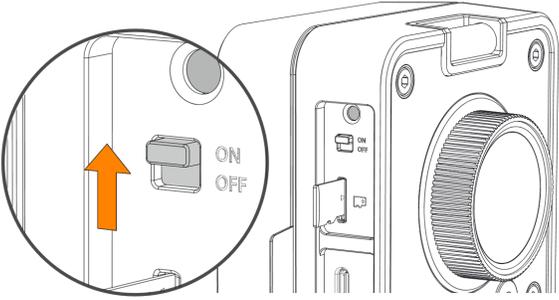
Wi-Fi Operation



Click *Settings & Info* to access specific camera information and management.

On-Camera Operation

On-Camera Operation

	<p>Turn on the camera.</p>
	<p>Start Recording</p> <ol style="list-style-type: none">1. Select desired time interval by pressing Time Interval.2. Place the camera at the desired position (use the spirit level to help you find perfect view angle).3. Hold Start/stop for 2 secs.4. Interval LED will light on and blinks. <p><u>How can I know if the camera is recording?</u></p> <ul style="list-style-type: none">• During Recording, the start/stop button LED blinks once every 8 secs.• Press Start/stop or Time Interval button, the selected interval LED will light on. <p>Stop Recording</p> <ol style="list-style-type: none">5. Hold Start/stop for 3 secs.6. Interval LED will light on, Start/stop button LED blinks for several secs7. Recording completed.

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