Wi-Fi & 4K CONSTRUCTION TIME LAPSE CAMERA BCC5000



User Manual



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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



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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



4. Battery Pack – MRB1000



4.1. Rechargeable battery pack x2

3.1. Camera clamp3.2. Extension poles

3.4. Quick release adapter

3.3. Magic arm

3.5. Screws

Wi-Fi & 4K Construction Time Lapse Camera BCC5000

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

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

BACK SIDE

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

Initial Setup

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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 | Charging Battery Pack



The BCC5000 waterproof power box has an additional battery expansion slot, which can be installed with up to 3 Brinno rechargeable battery packs (MRB1000), which will charge the TLC5000 camera.

- 1. If the waterproof power box has an external solar panel (ASP1000), it will charge the battery pack in the expansion slot.
- 2. When using an external power source, you must install a battery pack to charge the camera.

Housing | Installing Battery Pack



2

3





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.

Note:

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

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





8. Lock the latches, and a "click" sound means correctly installed.



LED Indicators

2. Construction Power Housing (Battery Slot)



When the battery pack is inserted into the housing, the LED flashes to indicate the battery is connected.

Refer to the following table for LED sign :

LED Color	Status	Meaning	Discharging	Charging
• Green	Solid	Battery available (>15%)	Not in use.	Not charging
	Blinking		Powering camera.	Not charging
• Orange	Solid		Not in use	Charging
	Blinking		Powering camera.	Charging
• Red	Solid	Battery low (≤15%)	Not in use	Charging
	Blinking		Barely powering.	Charging
No light	_	No battery or battery empty	Not in use	Not charging

LED Indicators

Charging Dock Power Management System Overview

- 1. Battery Discharge Management (1-3 batteries):
- Switches to the battery with the highest charge after one week of use or when battery level drops to 15–20%.
- If all batteries are low, cycles through them evenly while waiting for recharge.
- 2. Battery Charging Management (1-3 batteries):
- Charges each battery for about one hour before switching to the one with the lowest charge to maximize efficiency.
- Switches within 3 minutes after a battery reaches over 90% charge.
- Batteries above 5% charge join the charging cycle to extend usage during low sunlight periods.
- 3. Additional Features:
- Supports charging via 5V solar panels, USB Type-C, USB QC 5V, and USB PD 5V.
- For initial setup, charge MRB1000 batteries below 15% for 15–30 minutes before use.
- When not in use, fully charge all batteries before storage.

Clamp | Install Release Adapter



- 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. Loose 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

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Clamp | Install Extension Pole



Clamp | Install Extension Pole



Clamp | Install Extension Pole



Operating Methods

Wi-Fi & 4K Construction Time Lapse Camera BCC5000

3 Operating Methods

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





3. On-Camera operation

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

Bluetooth Operation

Wi-Fi & 4K Construction Time Lapse Camera BCC5000

Bluetooth Operation



Turn on the camera.



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

* <u>Camera Control Center(CLICK HERE)</u>

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



Bluetooth Camera Connect



Bluetooth Camera Status



Bluetooth | Camera Settings



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)

Cancer VF-fr Cance	1. Click Take a Photo. Camera instantly captures the present frame and sends to Camera Control Center.
	 2. Check camera view angle. Adjust camera view angle, and click <i>Reload</i> to receive updated frame. Note: Take a Photo is unavailable when the camera is recording

Bluetooth | Schedule Setting (daily & weekly recording schedule)

Camera D Dodd-cools 5002-3432-3052-2034 Take a Photo Mentor wavewavewave Schedule Camera Wi-fi Camera Wi-fi Camera Wi-fi Camera Wi-fi Camera Wi-fi Camera Wi-fi Camera Wi-fi Camera Wi-fi	1. Click Schedule.
Image: constraint of the same file	 Enable/disable Schedule. Select Start Recording Time Decide Start Recording Time Schedule Days Select desired recording days of week. 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.

Bluetooth | Time Interval



Bluetooth | How to Start a Time Lapse Recording

Camera ID 0026-0051-5002-3432-3052-2034				
Take a Photo Must stop recording first				
Start Recording	D 1			
Schedule				
Time Interval	© 2			
Camera Wi-fi	3			
About Firmware Version: 0.5036.0 / 0.94.0 / 0.1.13271 Timezone: UTC+8 App Version: 0.2.4396				
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 Multi-Camera Syst	em for download.			

Bluetooth How to Check Camera Status During Recording

	Go to Camera Control Center(CLICK
<image/>	 HERE) 1. Click <i>Camera Connect</i>. 2. Find the camera with the unique Bluetooth ID. 3. Click <i>Pair</i> button.
Camera ID 0026-0051-5002-3432-3052-2034	At Camera Status page
Now Recording	1. Indicate the camera is recording.
74% 0%2	2. Check battery & SD card capacity
Battery Health SU Card Status Camera Settings	
Register Camera	
This camera is not registered to any account	

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.



Bluetooth | Sign up/login Your Account

	1. Login: If you already have an account.
brilliant innovation	2. Sign up: Create a new account.
Email Address Password	
Forgot Password?	
Login Don't have an account? Sign up	
Log out [+ 3 user@brinno.com	3. After completed account login/sign up, return to register camera page.
Organization Personal	
Push Notifications	
Language Setting	
Help Center (?)	

Bluetooth | Set Camera Wi-Fi

÷	At Register Camera Page
Camera ID 0026-0051-5002-3432-3052-2034 Register Camera Please connect your camera to WiFi to continue with registration Please set up WiFi first. If already set, give the camera a moment to connect. Cancel	1. Click Setup Wi-Fi.
Camera UP Dode-0051-5002-3432-3052-2034 Camera WFFI Definino Camera Definino C	 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. Select Remember my account. Click Save to save settings.
	The Blue LED blinks while connecting to Wi-Fi, and turns solid when the connection completes.

Bluetooth | Register Camera

~	While camera is connected to Wi-Fi
Camera ID 0026-0051-5002-3432-3052-2034	1. Click Register.
Register Camera	
After camera registration, you can watch live view on the Multi-Camera System.	
Cancel Register	
	2. Camera Registered.
← ⊂ Camera ID (Registered)	
0026-0051-5002-3432-3052-2034	
Register Camera	
Camera Registered	
You can access the camera via WiFi on the <u>Multi-Camera System</u>	
ок	

Bluetooth | Register Completed

brínno			ф 😩	
	Camera ID (Registered) 0026-0051-5002-3432-3052-2034			
	📑 Not			
	75%	4%		
	Battery Health	SD Card Status		
	Camera	Settings		
	Multi-Car	era System		
	Unregist	er Camera	2	
Lc Py	g info 29: Ree mode to server			
W RE C'b		"batteryActive":true,"voltage":3998;"stateofcharge":75], atteryName "External		
	patteryActive staise, voltage su, stateotchange sugli batteryName : external $_{\rm N}$	latteryActive Halse, voitage to, stateofcharge tojj)		
Once the camera is registered, you can use the following functions:				
1. Multi-Camera Syste	m			
Remote control all yo	ur registered camera	s through Brinno cloud	d platform.	
2. Unregister Camera				
Remove the register	ed camera from your	account.		

Wi-Fi Operation

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Wi-Fi Operation



Wi-Fi | Initial Page



Wi-Fi | Camera ID

Camera D D026-0051-5002-3432-3052-2034 Image: Comparison of the comparison o	1. Camera ID Each camera has a unique Camera ID, which can also be found on the label included in the package.
<complex-block></complex-block>	 2. Connection Status If the Disconnected icon appears next to the Camera ID, it means the camera's Wi-Fi connection is disconnected. Please wait a few seconds and try logging into the Wi-Fi Operation web app again. If the issue persists, check the camera and Wi-Fi signal for possible problems. 3. Disconnection When disconnected, Live View and Start Recording functions will be unavailable.

Wi-Fi | Live View



Wi-Fi | Start/Stop Recording



Wi-Fi | Settings & Info



Settings Schedule



Settings | Time Interval



Settings | Configure Settings

← ♀	1. Click Configure Setting.
Camera ID 0026-0051-5002-3432-3052-2034	
Schedule	
Time Interval	
Configure Settings	
	2. Optionally preview the image in Live
ب ک	View for advanced adjustments.
Camera ID 0026-0051-5002-3432-3052-2034	3. Flicker Filter
Configure Settings	Off: Recommended for outdoor use.
	50 Hz : Europe, Africa, South East Asia,
	China, Australia and East Japan.
Preview in Live	60 Hz : America, Taiwan, Korea,
	Philippines, West Japan.
	Note: Please set your preferred flicker filter for
Flicker Filter	indoor recording.
Off 50Hz 60Hz	4. Time Stamp
Time Stamp 3	Enable/disable time stamp.
Advanced Settings	5. Advanced Settings
5	Sharpness, saturation, and playback rate
.	settings.

Settings Battery Details



Settings | SD Card

Battery Detail	1. Click SD Card.
SD Card About Camera Help	
Camera ID D026-0051 5002-3432-3052-2034 SD Card Reload NAME C DATE CO00001_MP4 April 28, 2025 980365824 CO00003_MP4 CO25 79571456 Co00003_MP4 May 2, 2025 Card May 2, 2025 Card	 Click <i>Reload</i> to refresh and display the latest stored videos. Click a <i>file name</i> to begin playback.
Image: Constant of the state of the st	4. Video playback page to view the selected recording.

Settings About Camera

		1. Click About Camera.
Battery Detail		
SD Card		
About Camera		
Help	1	
		2. Firmware upgrade.
÷	Ф <mark>2</mark>	
	Camera ID 0026-0051-5002-3432-3052-2034	
Camera ID	0026-0051-5002-3432- 3052-2034	
PWA	0.2.4628	
Hardware	0.5036.0	
Firmware	0.94.0	
WiFi	0.1.13271	
	New firmware is available.	
	UPDATE FIRMWARE TO 13428	

On-Camera Operation

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On-Camera Operation

Turn on the camera.
 Start Recording Select the desired time interval by pressing <i>Time Interval</i> button. Position the camera as needed. (Tip: Use the spirit level.) Press and hold the <i>Start/Stop</i> button for 2 seconds. The Interval LED will light up and begin blinking. How can I know if the camera is recording? During Recording, the start/stop button LED blinks once every 8 secs. Pressing the <i>Start/Stop</i> or <i>Time Interval</i> button will make the selected interval LED light up briefly.
 Stop Recording 5. Press and hold the Start/Stop button for 3 seconds. 6. The Interval LED will light up and the Start/Stop button LED will blink for several seconds.

