

1. Install Brinno App on Smartphone



<http://www.brinno.com/tlc130#app>



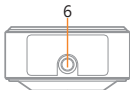
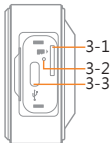
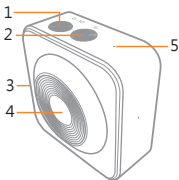
Smartphone OS:
Android 4.4, iOS 8.0 or later.

Camera Wi-Fi and BLE SSID# is required when connecting the camera to smartphone. The information is on a sticker inside the device package.

SSID:
TLC130-XXXXXX

2. Camera Parts

1. Power/ Step Video Recording Button
2. Time Lapse Recording Button
3. Memory Card Cover
 - 3-1. Micro SD Card Slot
 - 3-2. Camera Reset Button
 - 3-3. USB-C Socket
4. Lens
5. LED Status Indicator*¹
6. Tripod Mount (size: 1/4")



*1 LED Status Indicator:

• Power/ Memory Card Status

- Power on: Green light turns on.
- Battery Low: Red light flashes slowly.
- Micro SD Card Not Inserted: Red light flashes with buzzer alert.
- Micro SD Card Full or Error: Red light flashes with buzzer alert.

• Recording Status

- Time Lapse Recording:
Orange light flashes in every 3 secs.
- Step Video Recording:
Green light flashes in every 2 secs.

• Charging Status

- Charging: Solid red light
- Fully Charged: Solid green light

3. Charge Camera Battery

1. Insert Micro SD card.



Micro SD/ Micro SDHC/
Micro SDXC card (Up to 64GB)

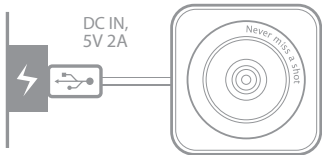


2. Fully charge the battery.

- First time charging requires 3 hours.
- LED indicator:

Red: Battery charging

Green: Battery fully charged.

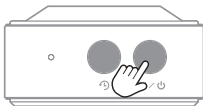


4. Operation Button

Power on and off

1. Power ON:

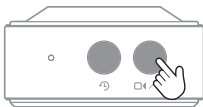
Hold **"POWER"** button for 5 secs. The green LED light turns on and the buzzer emits one long beep.



5 secs

2. Power OFF:

Hold **"POWER"** button for 3 secs. The green LED light turns off and the buzzer emits one long beep.



3 secs

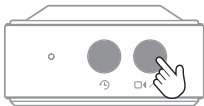
Time Lapse Recording

1. Press **"Time Lapse Recording"** button to trigger recording (short beeps *3). The orange LED light starts flashing one time in every 3secs.
2. Hold **"Time Lapse Recording"** button for 3 secs to stop recording (short beeps *3).



Step Video Recording

1. Press **"Step Video Recording"** button to trigger recording (short beeps *4). The green LED light starts flashing one time in every 2 secs.
2. Hold **"Step Video Recording"** button for 3 secs to stop recording short beeps *4).



5. Two-step Connection

1. Control and operation: through Bluetooth connection (Remains connected).
2. Preview and download videos: through Wi-Fi connection (Disconnected during recording).



Open App to connect Bluetooth before access Wi-Fi connection (Details in Section 7).

6. Brinno App

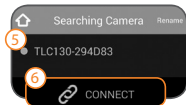
1. CAMERA: Connect your smartphone to Brinno camera.
2. EDIT: Edit single video clip.
3. Brinno: Brinno website.
4. App Settings
4-1. Change language.



7. Connect to Smartphone

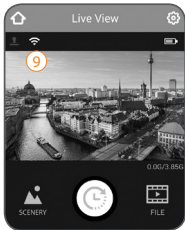
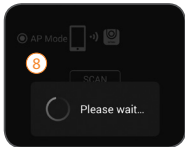
Connect to Android Phone

1. Power on camera (Hold "**POWER**" button for 5 secs, green LED light turns on).
2. Turn on Bluetooth and Wi-Fi on smartphone.
3. Open Brinno App.
4. Press "**CAMERA**" button.
5. Select the camera's SSID:
TLC130-XXXXXX
6. Press "**CONNECT**".
7. After Bluetooth is connected. Preview screen shows "Connecting Wi-Fi?" message. Press "**OK**" to proceed to connect camera Wi-Fi.



8. Select **"AP Mode"**, press **"SCAN"**.
Smartphone is auto connecting
to camera Wi-Fi.

9. Once Wi-Fi is connected, you see
PREVIEW screen in the app.



Connect to iPhone

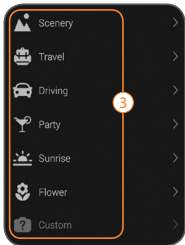
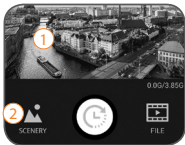
Steps 1~7 are same as "Connect to Android Phone".

8. Select "**AP Mode**", press "**CONNECT**".
9. Follow connection guide to connect Wi-Fi:
Go to Settings > Wi-Fi> select:
TLC130-XXXXXX -> Password:
12345678.
10. Once Wi-Fi is connected, go back to Brinno App, press "**OK**".
11. You see **PREVIEW** screen in] the app.



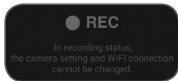
8. Record Time Lapse Video

1. When camera is successfully connected to smartphone.
2. Press "**SCENE**" button.
3. Select a capture scene.
4. Press "<" button to confirm and go back to **PREVIEW** screen.



i Recommend for first time user: Choose "**Scenery**" scene, place your camera on a location and record any subject for 15 mins to experience the time lapse shooting effect.

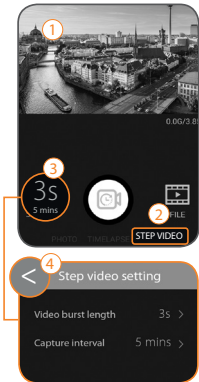
5. Press **"SHUTTER"** button to record.
6. When camera is recording, the screen shows a flashing **"REC"** icon. Exit app.
7. Press **"SHUTTER"** button to stop recording.



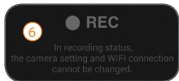
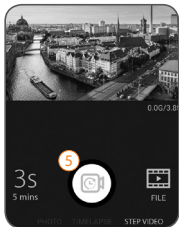
- i** Camera offers 3 capture modes: Photo, Time Lapse, Step Video
- i** When camera is recording, Wi-Fi is automatically turned off to save power.

9. Record Step Video

1. When camera is successfully connected to smartphone.
2. Press "**STEP VIDEO**" button.
3. Select video burst length and capture interval.
4. Press "<" button to confirm and go back to **PREVIEW** screen.



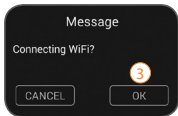
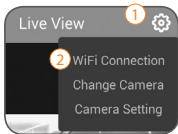
5. Press **"SHUTTER"** button to record.
6. When camera is recording, the screen shows a flashing **"REC"** icon. Exit app.
7. Press **"SHUTTER"** button to stop recording.



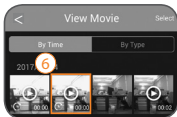
10. Replay Videos (Reconnect to Your Smartphone)

For power saving purpose, camera disconnects Wi-Fi when recording. To re-enable camera preview or replay time lapse video, you **MUST RECONNECT TO** camera's Wi-Fi after you are done with recording.

1. Press "**SETTING**" button at **PREVIEW** screen.
2. Select "**Wi-Fi Connection**".
3. Press "**OK**" to connect Wi-Fi.



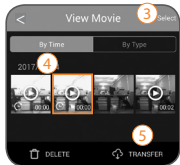
4. Reconnect camera Wi-Fi to see image in the **PREVIEW** screen. (Details in Section 7).
5. When camera is successfully connected to a smartphone, select **"FILE"** icon.
6. Select a video at View Movie screen.
7. Press **"PLAY"** button to replay video.
8. Press **"<"** button to return to View Movie screen.



i Save videos to smartphone before editing or sharing. (Refer to next section).

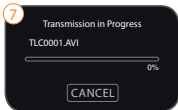
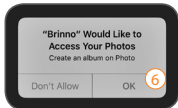
11. Save Videos to Smartphone

1. When camera is successfully connected to smartphone.
2. Press **"FILE"** button.
3. Press **"SELECT"** button.
4. Select videos.
5. Press **"TRANSFER"**.



i It takes longer when multiple video files are transferred at one time.

6. For iPhone users: Press **"OK"** to allow Brinno App to access to your photos.
7. Do not leave or exit App while videos are transferring.
8. When file transmission is done, you can replay or edit it in App.

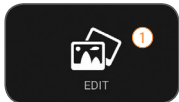


12. Edit Videos

1. At App home page, press **"EDIT"** button.
2. Press **"SELECT"** button.
3. Select one video.
4. Press **"+"** button to go to editing page.

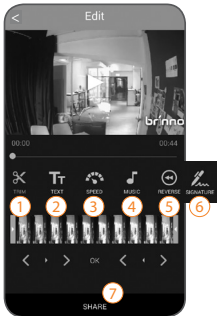


The App supports one video editing at one time.



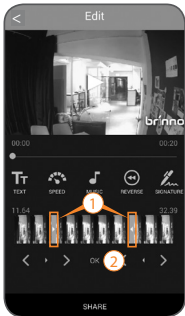
Editing Page:

1. **TRIM:** Trim your video (see page 21).
2. **TEXT:** Add text to video
3. **SPEED:** Change video playback speed.
4. **MUSIC:** Add music to video (see page 22).
5. **REVERSE:** Reverse video clip and save frames from last to first.
6. **SIGNATURE:** Add signature at the end of video.
7. **SHARE:** Upload your video to social media for sharing. Or save it to camera roll. (see page 22).



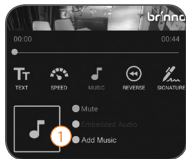
TRIM:

1. Move the 2 sliders to get your desired video clip.
2. Select **"OK"** to confirm.



MUSIC:

1. Select **"Add Music"**.
2. **My Music:**
Select music from your phone.
3. **Featured Music:**
Select music from Brinno App.

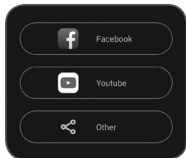


2 My Music

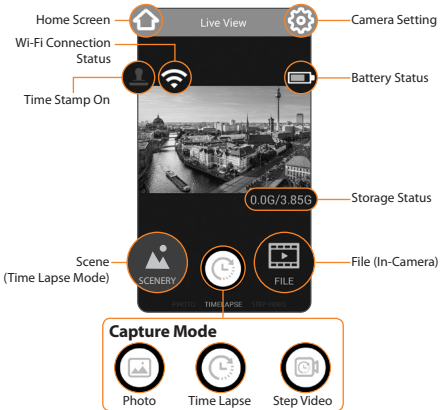
3 Featured Music

SHARE:

When editing is done, upload your video to social media for sharing. Or save it to camera roll.



App Interface: Preview Screen



Camera Settings

Custom Image: Saturation / Contrast / Sharpness

Image Quality: Best / Better / Good

Resolution: Full HD / HD

Time Stamp: ON / OFF

LED Indicator: ON / OFF

Advanced Settings:

Band Filter

50 Hz / 60 Hz / None

Firmware Version

Firmware Upgrade

SD Card Format

Live View Scene Effect

Apply custom image and scene setting effect in real time, it will delay Live View image transfer.

Reset

Reset camera to default settings.

For more information,
please visit Brinno website:



www.brinno.com

Please use the link below to download the latest user manual.
www.brinno.com/support

The product features, specifications sheets and instructions may differ from actual products. Please refer to Brinno official site for the latest version of user manual.

FCC

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT.

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.

CAUTION:

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

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.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

BSMI 有電池產品

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

警告

本電池如果更換不正確會有爆炸的危險，請依製造商說明書處理使用過之電池。

NCC LP0002

低功率電波輻射性電機管理辦法

第十二條

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.