

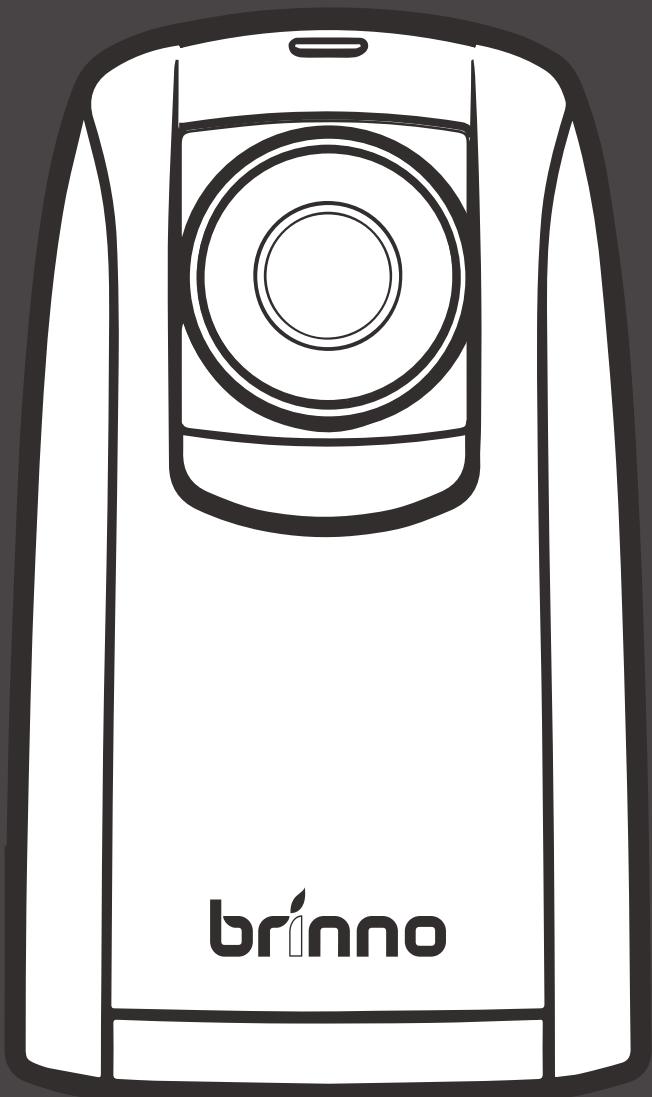
TIME LAPSE CAMERA



TLC300

User
Manual

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EXTRA MONTHS
WARRANTY**

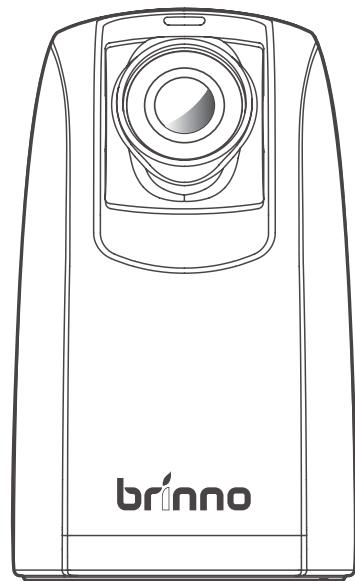


brinno.com/pages/register

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Before You Start

In the Box



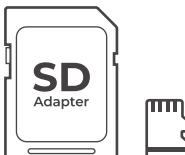
TLC300



Front cover



Rear cover



SD Card Adapter



Micro SD Card

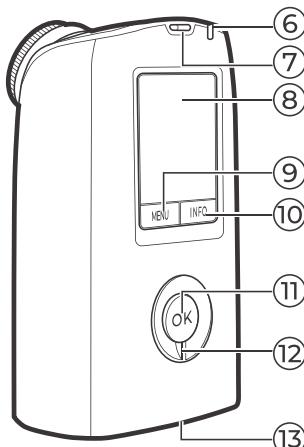
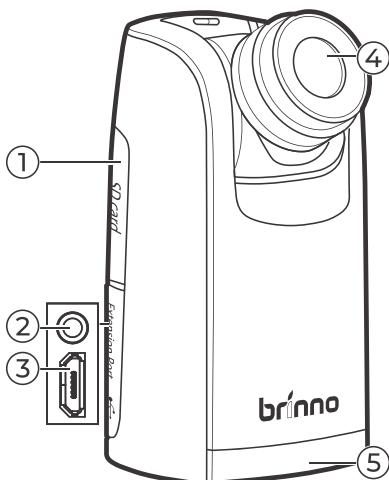


4 AA Batteries



Quick Guide

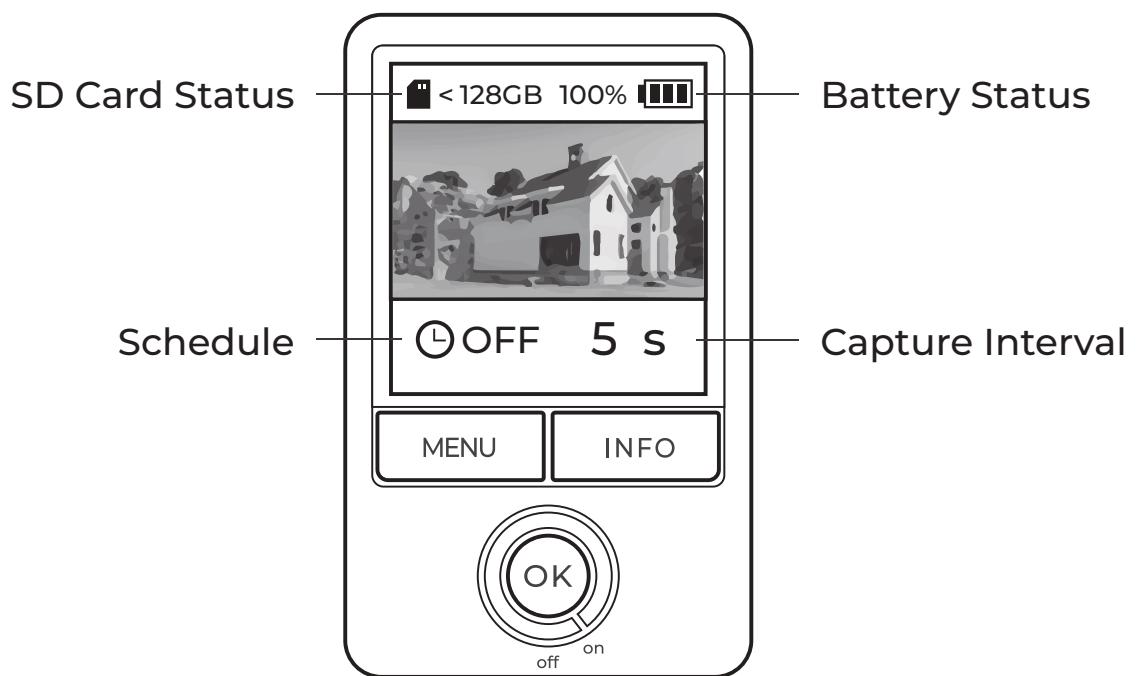
Camera Parts



- 1** SD card cover
- 2** 3.5 mm port*
- 3** Micro USB slot
- 4** Interchangeable lens
- 5** Battery door
- 6** LED
- 7** Strap hole
- 8** LCD screen
- 9** Menu/-/Exit
- 10** Info/+/Next
- 11** OK button
- 12** Power switch
- 13** Tripod screw

* Only for factory testing

Display Icons



LED Indicator



Green

- REC initiated (flash repeatedly for 10 sec)
- REC in progress (if the interval is longer than 10 sec, the LED indicator blinks every 10 sec; if the interval is shorter than 10 sec, the LED indicator blinks exactly as long as the pre-decided interval)

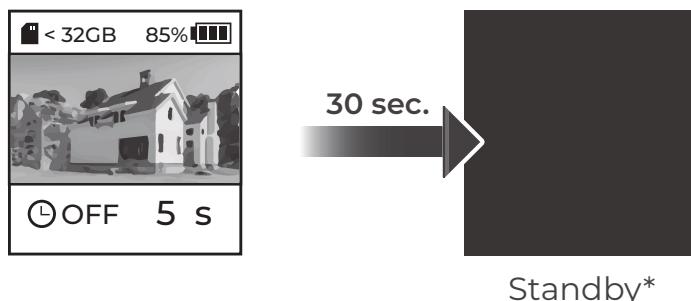
Red

- Low battery
- SD card full
- SD card error

⚠ LED indicator can be turned off through **Advanced** settings. More info on page [17](#).

Power Saving Mode

After 30 sec of inactivity, camera will go into standby and LCD screen will go black.



* Press OK to wake up camera.

Micro USB Socket

The micro USB can only be used to:

- Connect camera to external power



External Power Supplier

While using external power, always install fully charged batteries as a back-up.

⚠ Only power banks that can turn-off power saving mode are compatible with Brinno cameras.

Batteries cannot be recharged while inside the camera.

Setting Calculator Tool

Use the free calculator on our website to calculate:

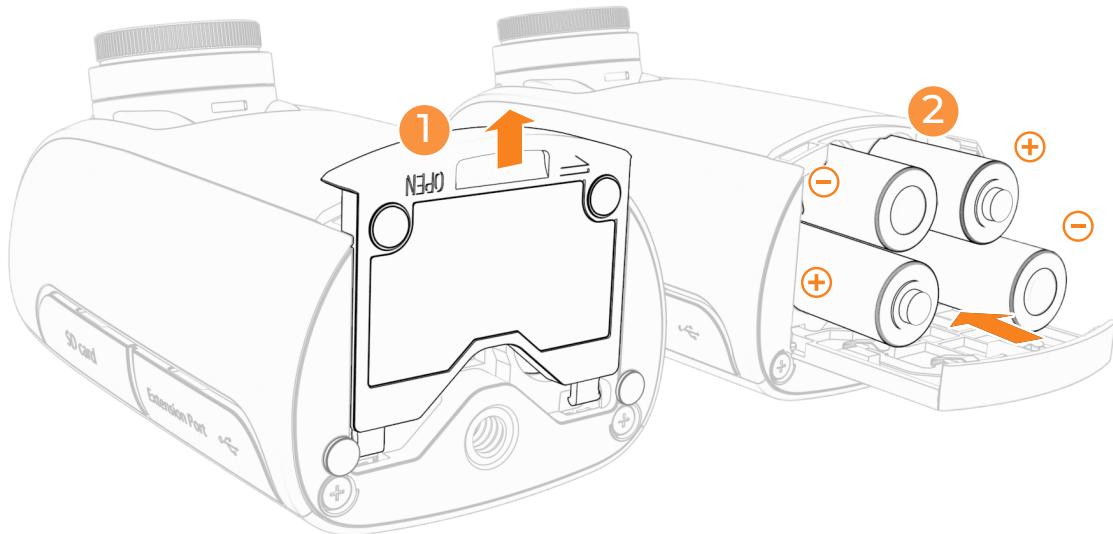


- Estimated battery life
- Memory Storage requirements
- Projected video length

brinno.com/pages/support-calculator

Initial Operation

Installing Batteries

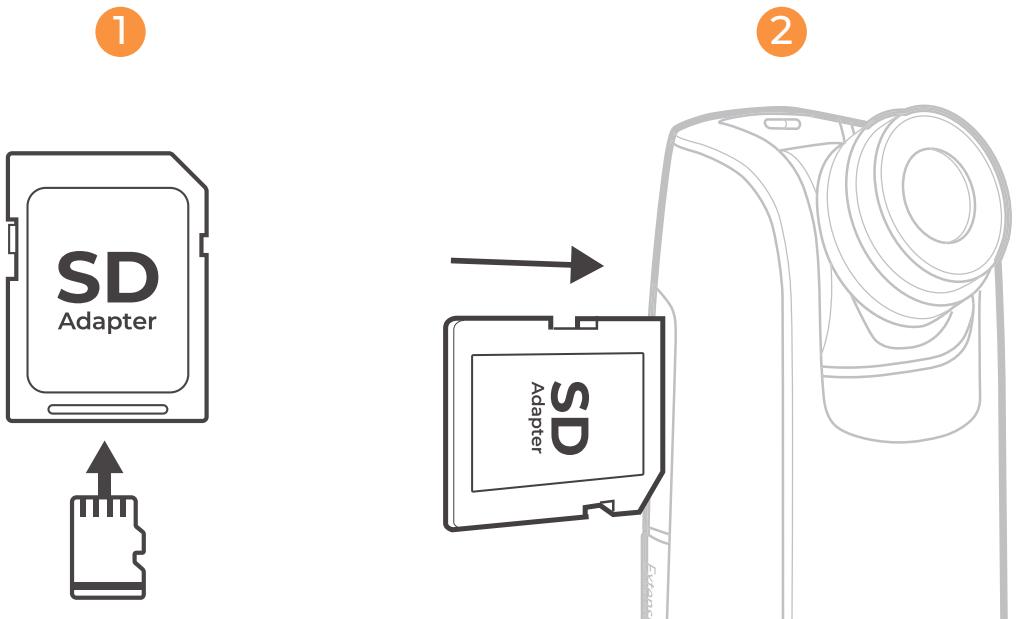


- 1 Slide to open the battery door at the bottom.
- 2 Insert 4 fully charged AA batteries.
- 3 Slide to close the battery door at the bottom.

⚠ DO NOT USE ZINC-CARBON BATTERIES.

⚠ Only replace all four batteries at a time.

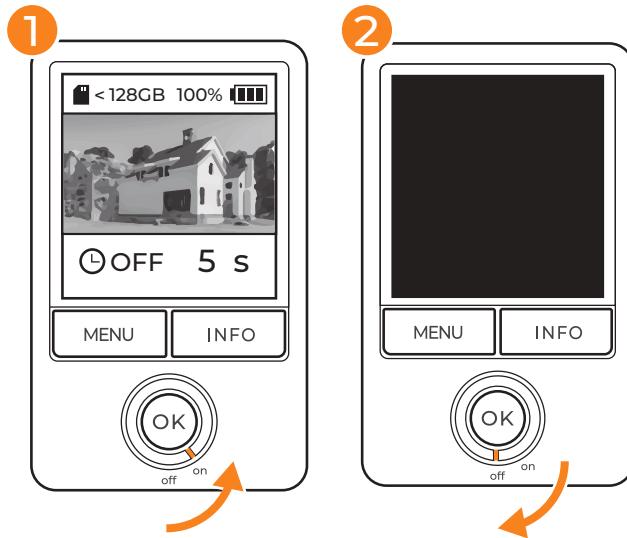
Install SD Card (Format SD Card)



- 1 Insert micro SD card into SD card adapter.
- 2 Open memory card cover and insert SD card adapter.

 Supports up to 128GB SD card (minimum class 10). For 64GB or 128GB SD card, follow instructions on LCD screen to format the card before using it the first time.

Power ON/OFF



- 1 Power on: Rotate power switch counterclockwise to ON.
- 2 Power off: Rotate power switch clockwise to OFF.

Set Language



- 1 Use "**MENU/INFO**" to view language options.
- 2 Press "**OK**" to select and then to confirm language.

Set Date & Time



- 1 Use "**MENU/INFO**" to change Date & Time values.
- 2 Press "**OK**" to confirm and go to next.

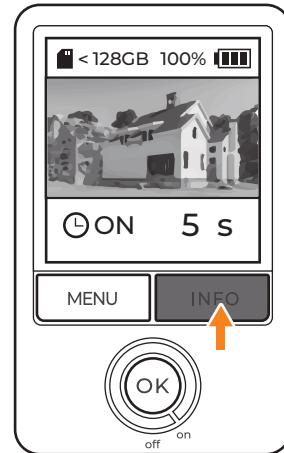
⚠ Date and Time settings will not auto-adjust during daylight savings. Set a reminder to manually adjust camera settings along with your clocks.

⚠ Date and Time can be adjusted through Advanced menu settings (more info on page [17](#))

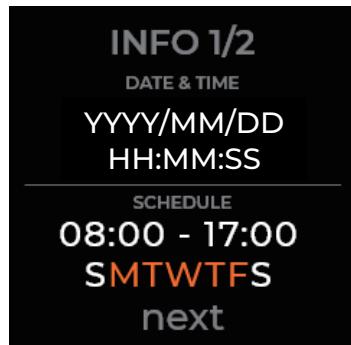
Info Screen

Access basic status information for your camera through the "**INFO**" button while on preview screen.

⚠ Pressing **INFO** button will only send you to info screen while you are on preview screen.



INFO 1/2



- Date and Time
- Schedule

Press **OK** to page 2

INFO 2/2



- Interval
- Flicker Filter
- Expo Mode
- Battery Type
- FW Version

Press **OK** to return to live view.

Firmware Check



To optimize your camera performance, update your firmware to the latest version.

⚠ If your camera firmware is out of date, refer to page the QR code for firmware upgrade procedure.

brinno.com/pages/support-tlc300

Battery Type

⚠ BATTERY TYPE: Select your battery type in menu settings to optimize battery life. Misplacing the battery type may cause unexpected changes to the battery life.



MENU > ADVANCED > BATTERY TYPE

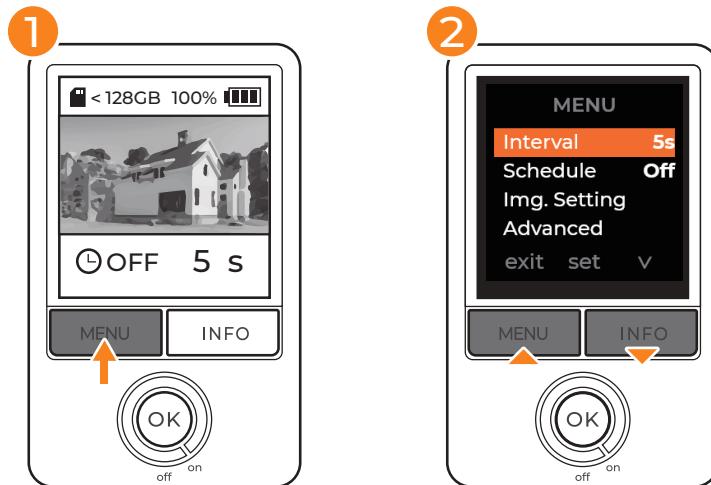
Alkaline	Default setting. The batteries that come with your camera will be Alkaline. Brinno recommendation: Short-term projects in a temperate environment.
NiMH	Most rechargeable batteries are NiMH type. We recommend using Panasonic Eneloop, Eneloop Pro, and SONY Cycle Energy Brinno recommendation: Users who are constantly recording short-term projects.
Lithium	Energizer Lithium AA batteries. Brinno recommendation: Long-term projects where the camera will be recording consistently for 1+ months. Essential for projects in hot and cold environments.

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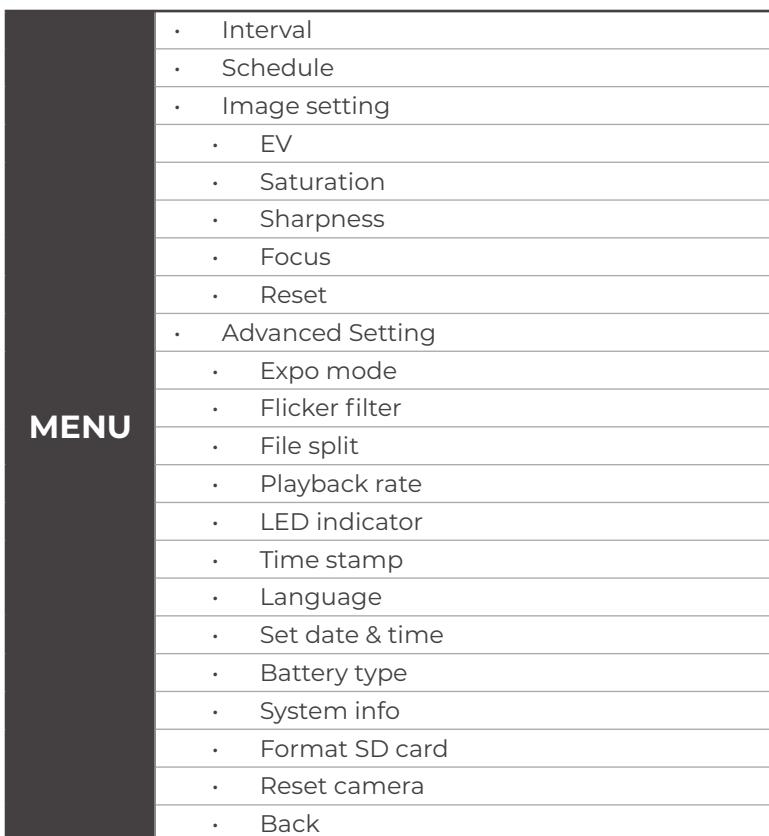
⚠ Only replace all four batteries at a time.

Getting Started

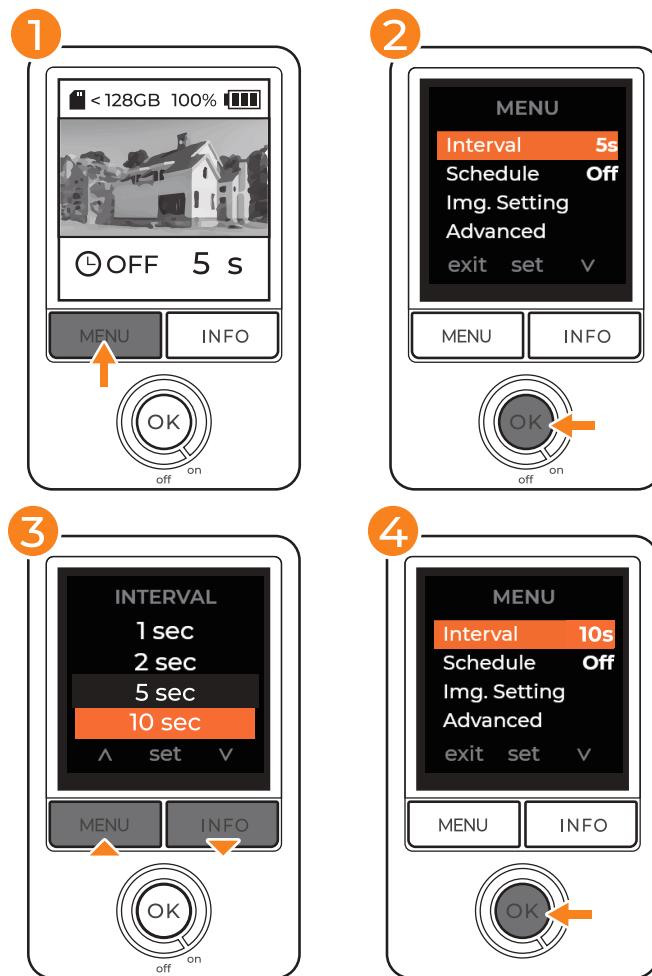
Menu Settings



- 1 At preview screen, press "**MENU**" to access settings.
- 2 Flip through setting options using "**INFO**" buttons.
- 3 Press "**OK**" to enter individual setting options and to confirm setting.



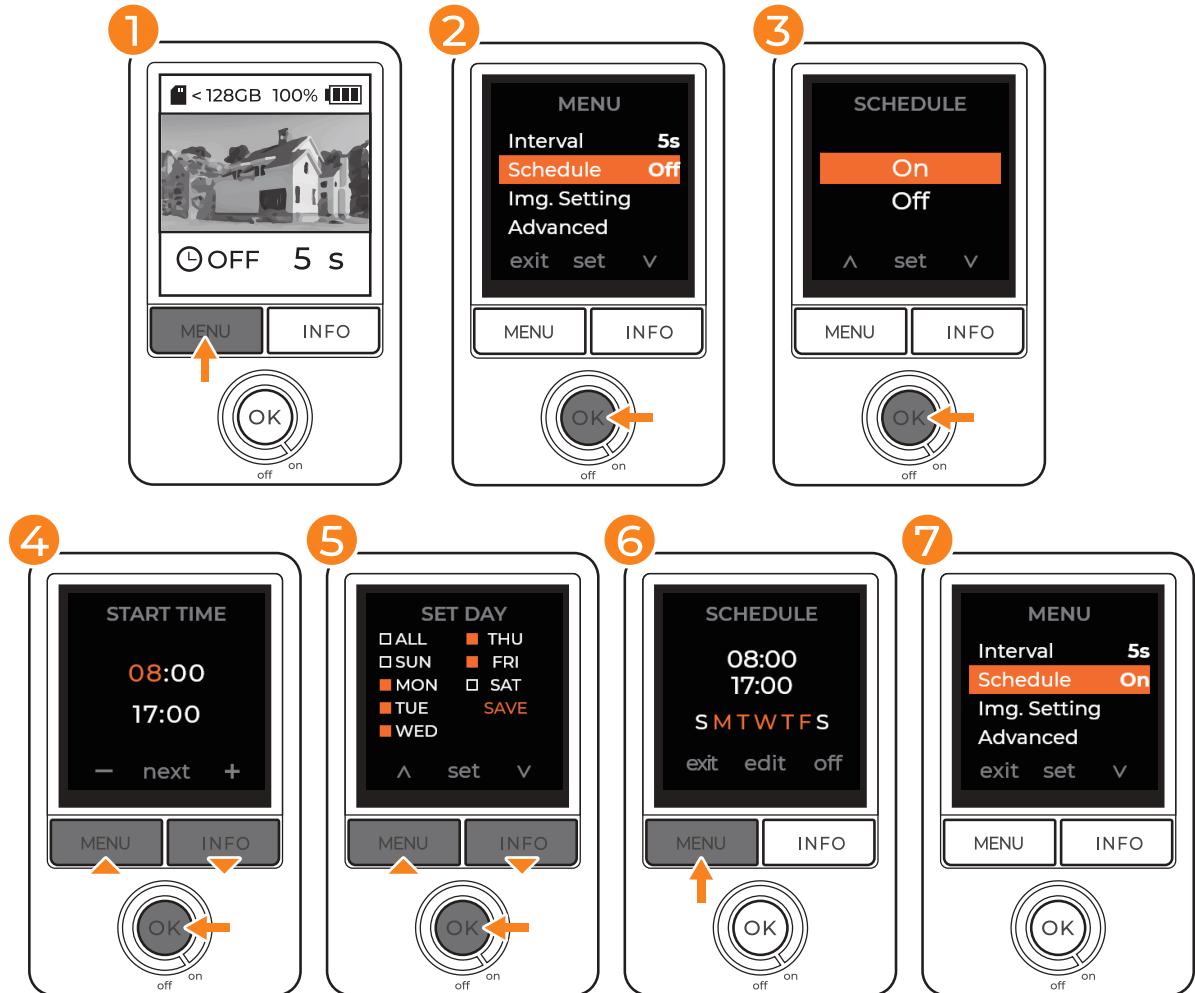
Interval



- 1 At preview screen, press “**MENU**” to access settings.
- 2 Press “**OK**” to enter Interval settings.
- 3 Flip through interval options using “**MENU/INFO**” buttons.
- 4 Select desired Interval, press “**OK**” to confirm.
- 5 Press “**MENU**” to return to preview screen.

EXPO mode	Interval Options
Daytime	1, 2, 3, 5, 10, 20, 30 SEC/ 1, 2, 3, 5, 10, 20, 30 MIN/ Custom
Twilight	3, 5, 10, 20, 30 SEC/ 1, 2, 3, 5, 10, 20, 30 MIN/ Custom
Night	10, 20, 30 SEC/ 1, 2, 3, 5, 10, 20, 30 MIN/ Custom

Schedule

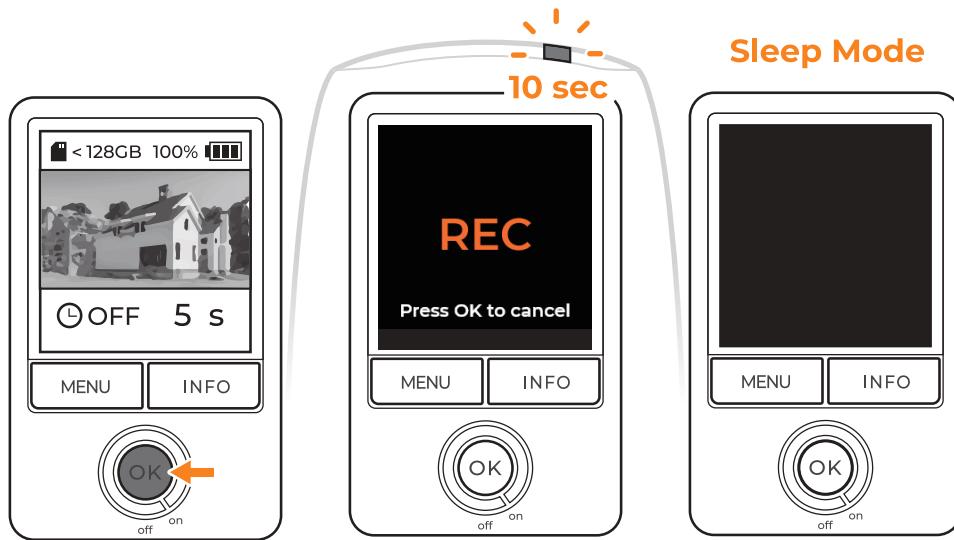


Schedule

- 1 At preview screen, press “**MENU**” to access settings.
- 2 Press “ **MENU** ” to go down to Schedule and press “**OK**” to enter Schedule settings.
- 3 Select “**On**” and press “**OK**” to confirm.
- 4 Select START & STOP times using “**INFO**” buttons and press “**OK**” to confirm.
- 5 Select Schedule days using “**INFO**” buttons and press “**OK**” to confirm.
- 6 Select Save and press “**OK**” to complete schedule setting and return to MENU.
- 7 Press “**MENU**” to return to preview screen. Press “**OK**” to start recording and activate filming setting.

⚠ If you press “OK” to start recording within your set filming time, your LCD will say REC and start filming right away. Outside of your filming time a reminder will appear on the screen that you have a set schedule. Your camera will go into sleep-mode and won’t start filming until your scheduled time.

Start Recording



Start Recording

- 1 After selecting desired settings, return to preview screen.
- 2 Press “OK” button to start recording. REC will appear on the screen and the LED will flash repeatedly for 10 seconds.
- 3 Camera screen will turn black after recording for 10 seconds. LED will blink once every 10 seconds to indicate recording in progress.

Schedule Users:

⚠ If you press “OK” to start recording within your set filming time your LCD will say REC and start filming right away. Outside of your filming time a reminder will appear on the screen that you have a set schedule. Your camera will go into sleep-mode and won’t start filming until your scheduled time.

Check Camera Status



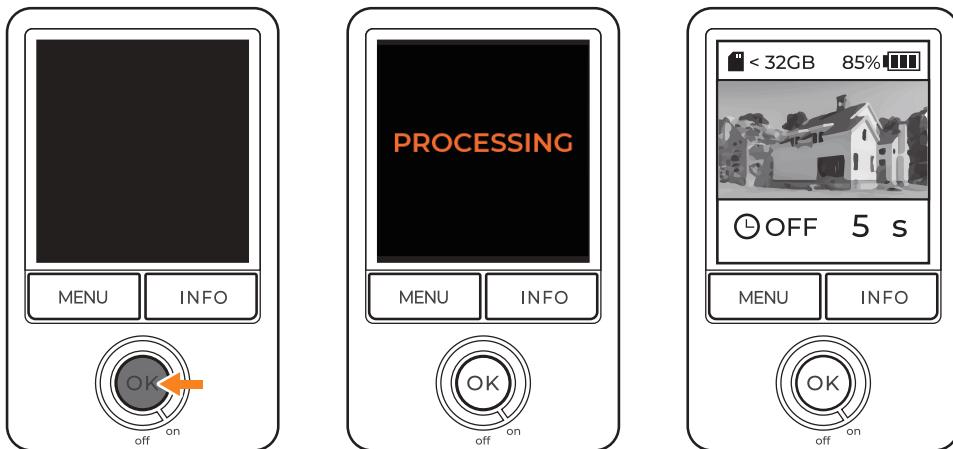
Check Camera Status

During recording, press "OK" button to wake up the screen and check the camera status:

- 1 SD card capacity
- 2 Battery level

Stop Recording

Recording



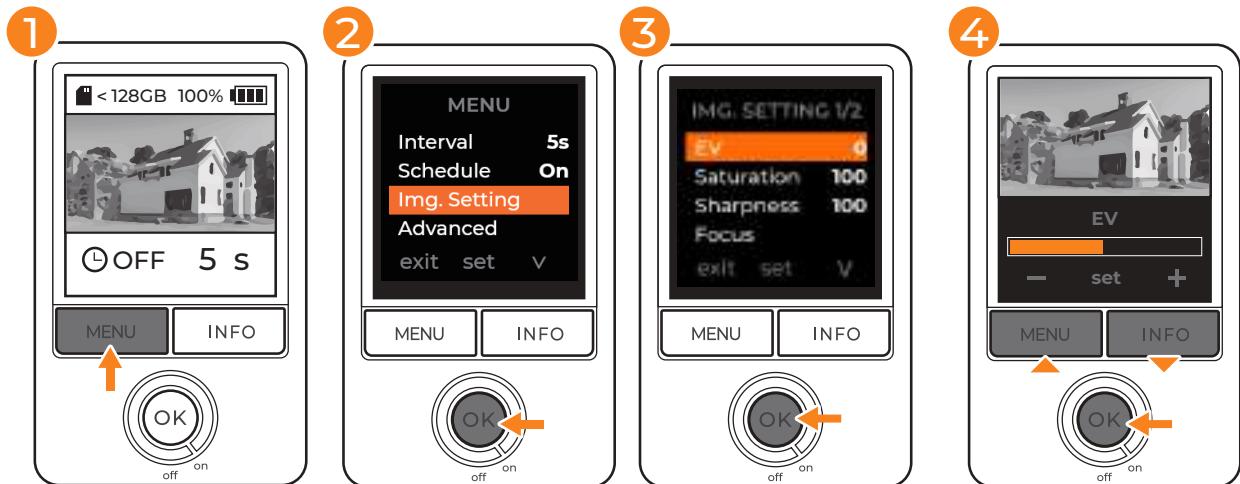
Stop Recording

- 1 Hold “OK” button for 2 seconds to stop recording.
- 2 PROCESSING will appear on the screen as camera stops recording and starts saving the video.
- 3 After processing is completed, camera will return to preview screen.
- 4 Remove SD card to access files on your computer.

Image Setting

Customize image settings including:

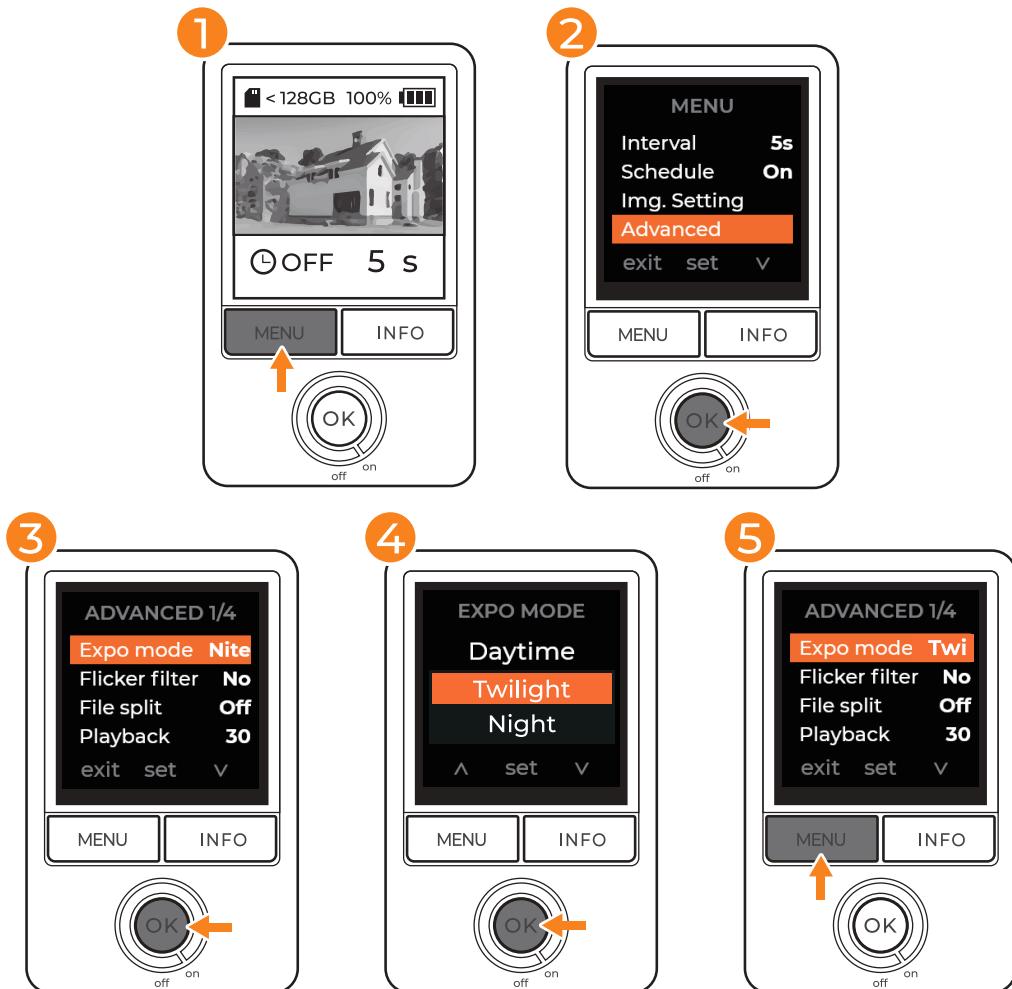
- EV
- Saturation
- Sharpness
- Focus



- 1 At preview screen, press "**MENU**" to access settings.
- 2 Press "**MENU**" and go to "Img. Setting". Press "**OK**" to enter detail image settings.
- 3 Flip through image setting options using "**INFO**" buttons. Press "**OK**" to enter desired setting option.
- 4 Adjust settings using "**INFO**" buttons and press "**OK**" to confirm setting.

Advanced Setting

Expo Mode



- 1 At preview screen, press “**MENU**” to access settings.
- 2 Press “**INFO**” to go down to Advanced and press “**OK**” to enter Advanced settings.
- 3 Select “**EXPO MODE**” and press “**OK**” to enter exposure settings.
- 4 Select suitable exposure for your filming environment and press “**OK**” to save. After saving you will return to Advanced menu settings.
- 5 Press “**MENU**” button to return to main menu and once more to return to preview screen.

⚠ We suggest "Night mode" under varying lighting conditions, including recordings through the day to night and areas with frequent light fluctuations.

Flicker Filter

If you are filming indoors and are using fluorescent bulbs, you will need to set up flicker filter to prevent light bands from appearing on your footage.



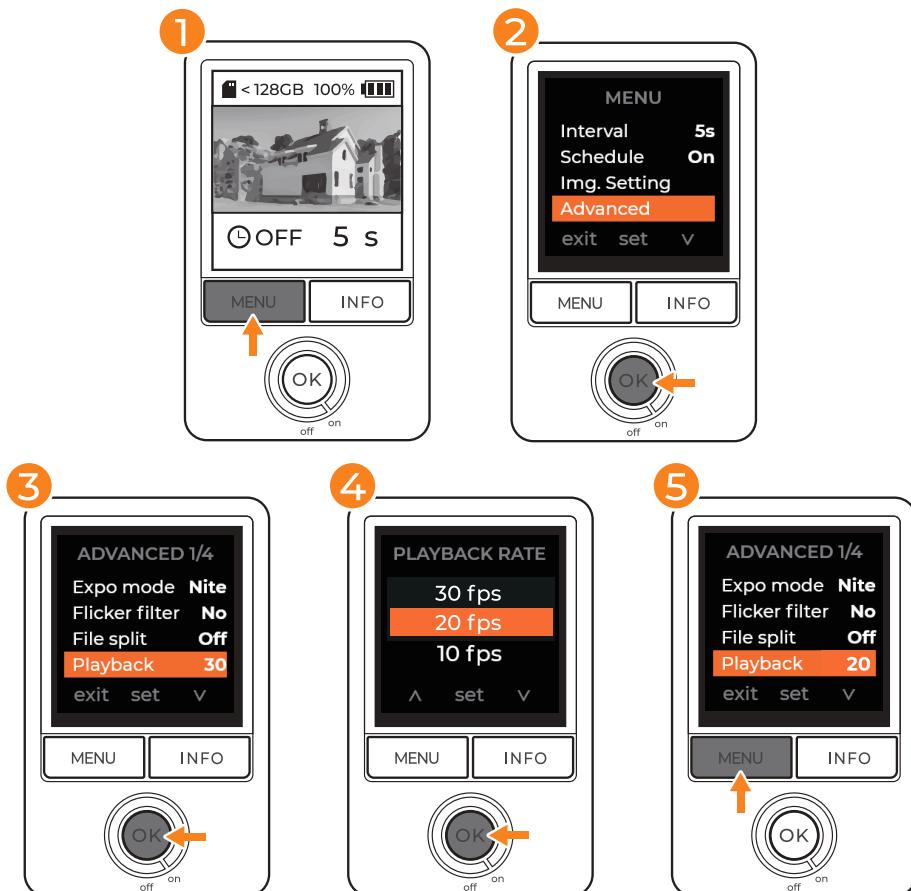
- 1 At preview screen, press “**MENU**” to access settings.
- 2 Press “**INFO**” to go to go down to Advanced and press “**OK**” to enter Advanced settings.
- 3 Select “Flicker filter” and press “**OK**” to enter filter settings.
- 4 Select the suitable filter for your filming environment and press “**OK**” to save. After saving, you will return to Advanced menu settings.
- 5 Press “**MENU**” button to return to main menu, and press again to return to preview screen.

⚠ Before choosing your filter, check your country's power frequency. Most countries in North America, South America, and East Asia use 60Hz. The rest of the world mostly uses 50Hz.

Playback Rate

The playback rate will affect the length of your time lapse video. Fps stands for frame per second meaning the speed that images are shown.

For a long-term time lapse recording, we recommend 20 fps or 30 fps. If you prefer slideshow footage, we suggest setting the playback rate to 1 fps.



- 1 At preview screen, press “**MENU**” to access settings.
- 2 Press “**INFO**” to go down to Advanced and press “**OK**” to enter Advanced settings.
- 3 Select “Playback” and press “**OK**” to enter playback settings.
- 4 Select the suitable FPS for your time lapse and press “**OK**” to save. After saving, you will return to Advanced menu settings.
- 5 Press “**MENU**” button to return to main menu, and press again to return to preview screen.

Available playback rates:

30fps / 20fps / 10fps / 5fps / 1fps

File Split

If you need to save video files as individual days of footage turn File Split "On".

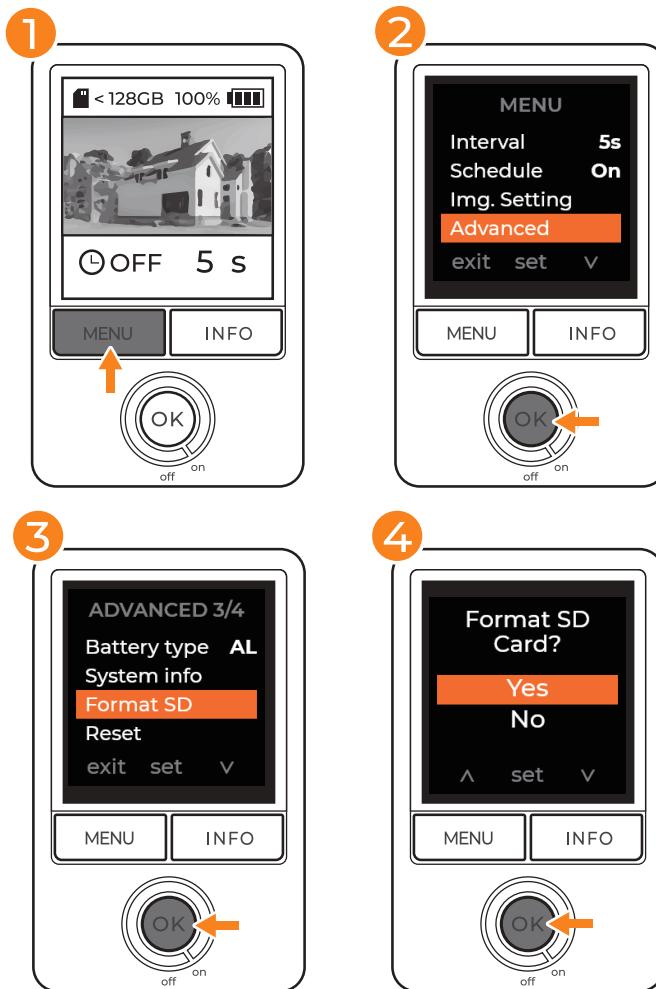


- 1 At preview screen, press “**MENU**” to access settings.
- 2 Press “**INFO**” to go down to Advanced and press “**OK**” to enter Advanced settings.
- 3 Select “File split” and press “**OK**” to enter file split settings.
- 4 Select “On (daily)” to save daily files or “Off (continue)” to combine multiple days of footage for your time lapse and press “**OK**” to save. After saving, you will return to Advanced menu settings.
- 5 Press “**MENU**” button to return to main menu, and press again to return to preview screen.

⚠ Regardless of File Split settings, the maximum file size is 500mb. Once size limit is reached, camera will add a new AVI file and continue recording.

Format SD

Delete all saved files by formatting your SD card.



- 1 At preview screen, press " **MENU**" to access settings.
- 2 Press " **INFO**" to go down to Advanced and press " **OK**" to enter Advanced settings.
- 3 Select "**Format SD**" and press " **OK**" to enter SD card settings.
- 4 Select "**YES**" to format SD card and delete all saved files.
- 5 Press " **MENU**" button to return to main menu, and press again to return to preview screen.

Reset Camera

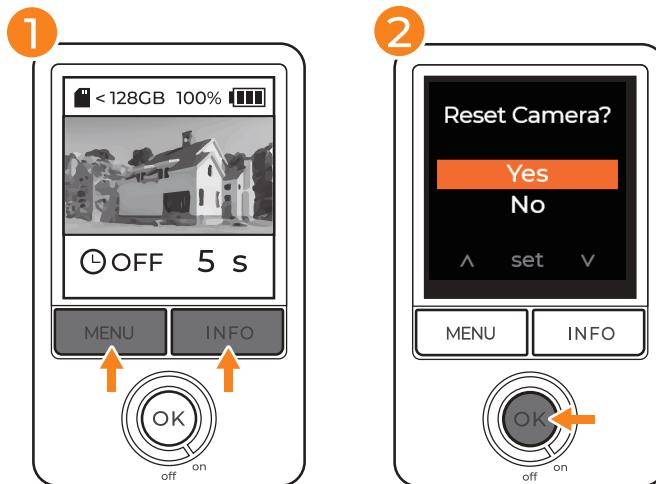
Resetting your camera will reset all settings **EXCEPT** language, date and time, and battery type.



- 1 At preview screen, press " **MENU**" to access settings.
- 2 Press "**INFO**" to go down to Advanced and press "**OK**" to enter Advanced settings.
- 3 Select "**Reset**" and press "**OK**" to enter reset settings.
- 4 Select "**YES**" to reset camera to original settings.
- 5 Press " **MENU**" button to return to main menu, and press again to return to preview screen.

Factory Reset

For a full factory reset of all settings INCLUDING language, date and time, AND battery type.



- 1 Hold “**MENU**” and “**INFO**” button for 3 secs.
- 2 Select “**YES**” and press “**OK**” to confirm.

Viewing Footage

Remove SD card and plug into your computer to view recorded time lapse footage.

Mac compatibility

To play AVI files or convert to MP4, download a video player/converter such as:

- VLC
- Handbrake
- Any Video Converter

Extracting JPGs

Download the Brinno Video Player to convert AVI footage into individual JPG and analyze time lapse frame by frame. (Windows ONLY).

brinno.com/pages/support-support-center#brinno-player



Troubleshooting

Tutorial Videos

brinno.com/pages/support-tlc300#tutorial



FAQ

brinno.com/pages/faq-tlc



Support Center

brinno.com/pages/support-tlc300



Specifications

Model	TLC300
LCD Viewfinder	1.4" IPS LCD
Resolution	Full HD (1920x1080)
Aperture	F2.0
Focal Length	19mm (35mm equivalent)
Field of View	118°
Aspherical Lens	V (BCS019)
Interchangeable Lens	CS lens
HDR Video	✓
Multilingual User Interface	English, Deutsch, Italiano, Español, Français, 日本語, 繁體中文, 簡體中文
USB function	External power
Batteries Required	4 AA Batteries
Maximum Storage Capacity	128 GB (minimum class 10)
Video Format	AVI

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Contact customer service at:

 customerservice@brinno.com

