

Create in New Ways!

Brinno **EMPOWER**
TLC2020



Overview



Brinno **EMPOWER**

Inspiring you to do more and create in new ways

Loaded with top of the line Brinno technology and an extra long battery life, the Brinno EMPOWER stands out as the top time lapse camera for professionals.

One tool for many jobs. With a simple push of a button use HDR & FHD functions to produce videos with brilliant resolution in any light situation. The powerful shooting schedule function allows you to flexibly set up video recording to meet various project demands. The TLC2020 is fun for the whole family, use the Stop Motion mode to make cute animated videos!

Brinno EMPOWER is SIMPLE, POWERFUL & RELIABLE. Discover for yourself what makes Brinno the professional's choice for time lapse.

Features



Instant
Time Lapse Video



HDR & FHD



Capture Theme
Menu



Flexible Schedule Setup



Extra Long Lasting
Battery Life



Accessory Options



Feature 1

Instant Time Lapse Video

With a click of a button, time lapse videos are processed and ready to share.



Feature 2

HDR & FHD Imaging Technologies

Powerful HDR & FHD sensors greatly improve images of high contrast scenes for quality works, outdoors or indoors, daytime or night. No more fear of back light and low light environment.



Feature 3

Capture Theme Menu

We don't expect you to be time lapse experts, that's our job. We've created a new easy to use quick menu that allows you to select your film settings based on the scene you are filming. From craftwork to large scale projects, we have you covered.

Indoor Event

Interval:
20 sec

Playback time /hr:
9 seconds

Detailed Craftwork

Interval:
5 sec

Playback time /hr:
9 seconds

Large Artwork

Interval:
10 sec

Playback time /hr:
18 seconds

Construction Security

Interval:
30 sec

Playback time /hr:
6 seconds

Short Outdoor Construction

Interval:
1 min

Playback time /hr:
3 seconds

Long Outdoor Construction

Interval:
5 min

Playback time /hr:
0.6 seconds

Indoor Construction

Interval:
3 min

Playback time /hr:
1 seconds

Night Construction

Interval:
5 min

Playback time /hr:
0.6 seconds

Each scene setting will produce a different video playback length. Select a scene based on all your filming needs including required video length. If none of the preset scenes fit your needs, switch your camera to full menu mode (and manually select filming settings. Use the time lapse calculator on our website to figure out what film settings are right for you.



Feature 4

Flexible Schedule Setup

Set video shoot schedule to meet the demands of your project. The camera reliably captures and auto-edits frames into documentation video for easy jobsite monitoring.



Feature 5

**Up to
82
Days!**

Extra Long Lasting Battery Life

Proprietary power control system perfect for documentation of process focused works outdoors that require hours of time to complete. Run by merely 4 AA batteries and newly developed battery type setting to optimize power use.

Accepted battery types



Alkaline

Default setting. The batteries that come with your camera will be Alkaline.



NiMH

Most rechargeable batteries are NiMH type.

*we recommend using Panasonic Eneloop/Eneloop Pro rechargeable batteries.



Lithium

Energizer Lithium AA batteries.

WE DO NOT RECOMMEND USING ZINC-CARBON BATTERIES.



Feature 6

Accessory Options

Everyone's needs are different, this is why we've developed a variety of accessories for your camera so that you never miss a shot.

Unique Capture Modes

Three unique capture modes allow for endless filming possibilities.



Time Lapse



Step Video



Stop Motion

Capture Mode 1 TIME LAPSE

Worry free time lapse. Take a sequence of photos at interval and shooting schedule of your choice. When you finish recording, the time lapse video is automatically generated, meaning no time is wasted editing footage and it can be shared instantly.

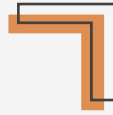


Capture Mode 2

STEP VIDEO

Record short video clips at selected capture interval. The camera auto combines clips into fantastic ready-to-view storytelling narratives.





Capture Mode 3

STOP MOTION

Manually take multiple photos one frame each time. The camera auto combines photos into dynamic animated video that shows your creative talent.





Time Lapse Made Easy

No matter the project or adventure,
Brinno has the perfect camera for you!



Specifications

Model NO.	TLC2020
Kit Lens*1	BCS019
Resolution	1080P
Aperture	F2.0
Field of View	118°
Capture Mode	Time Lapse, Step Video, Stop Motion, Still Photo
LCD Screen	2.0" TFT LCD
Storage	microSD/ microSDHC/ microSDXC (up to 128 GB)*2
Power Source	4 AA Batteries (Alkaline, NiMH, Lithium) DC IN 5V 1A (USB-C connector)
Battery Life*3	Up to 82 days at 5 min interval
Operating Temperature	32 °F ~ 113 °F (0 °C ~ 45 °C)
Size (WxHxD)	2.4x 2.8x 1.8 in (60x 70.6x 46.6 mm)
Weight	3.4 oz(97.5 g) (without battery)



* Notes:

1. TLC2020 camera lenses are removable but only compatible with BCS18-55mm lens accessory. The battery cover adapter must be used if you want to use the BCS24-70 lens.
2. Support up to 128GB microSD card. For 64 or 128 GB microSD card, follow instruction on the LCD screen to format the card before using it the first time.
3. Battery life may vary based on battery brand , environmental conditions, LCD Screen usage time, operating temperature, and other factors.
4. Check your settings and battery type using the time lapse calculator on the Brinno website before recording your time lapse.

Image Sensor & Lens Specifications

Model NO.	TLC2020
Image Sensor	1 /2.7" CMOS Sensor
Sensor Resolution	2.0 Mega Pixel
Sensitivity	4.41 V/Lux-sec
Pixel Size	3.0 μ m
Dynamic Range	85 dB
View Angle	118° (Diagonal) (H=106° V=63°)
Aperture	F 2.0
Aspherical Lens	Fixed Aspherical Lens
Focal Length	18 mm (35 mm equivalent)
Focus Distance	20 cm (Minimum)

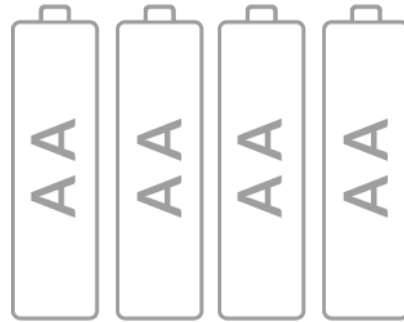
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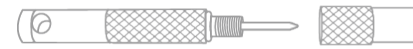
In the Box



TLC2020



4 AA Batteries



Screwdriver



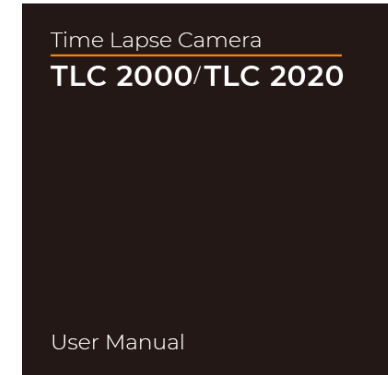
Lens Cover



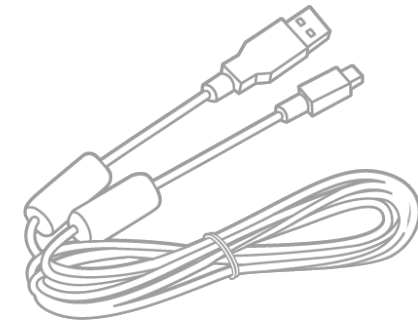
Battery Cover
Adapter



microSD Card



User Manual



USB-C Cable

*To be used with the ATH2000
Construction Power Housing Accessory.

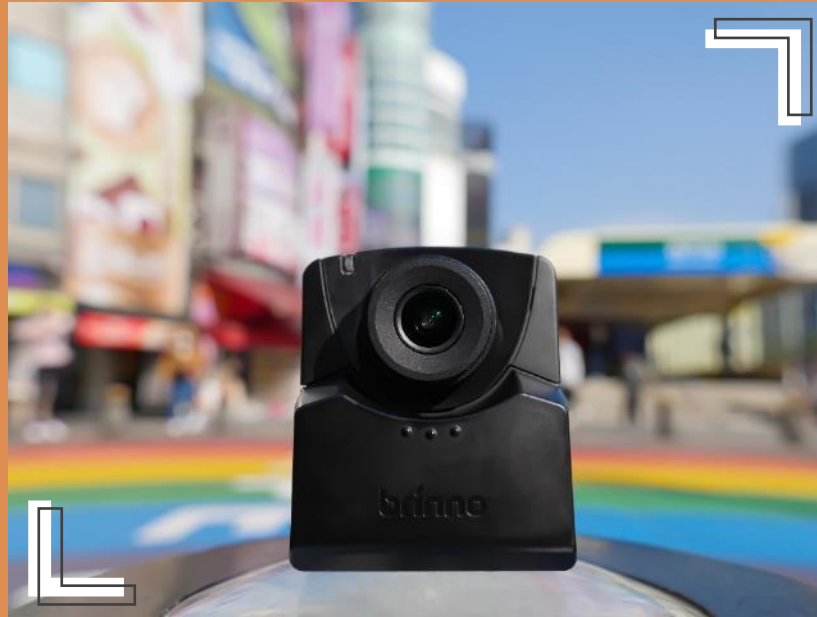
Parts of Camera



1. Power Button
2. Shutter/ Back to Preview Button
3. LED Status Indicator
4. Memory Card Door
5. microSD Card Slot

6. Camera Reset Button
7. USB-C Socket
*Only can be used as an external power supplier & data transfer. Cannot be used to charge batteries.
8. Lens
9. Battery Door

10. LCD Screen
11. Previous/ Capture Mode Button
12. Menu/ Info/ OK Button
13. Next/ Capture Interval Button
14. Tripod Mount (size: ¼")



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