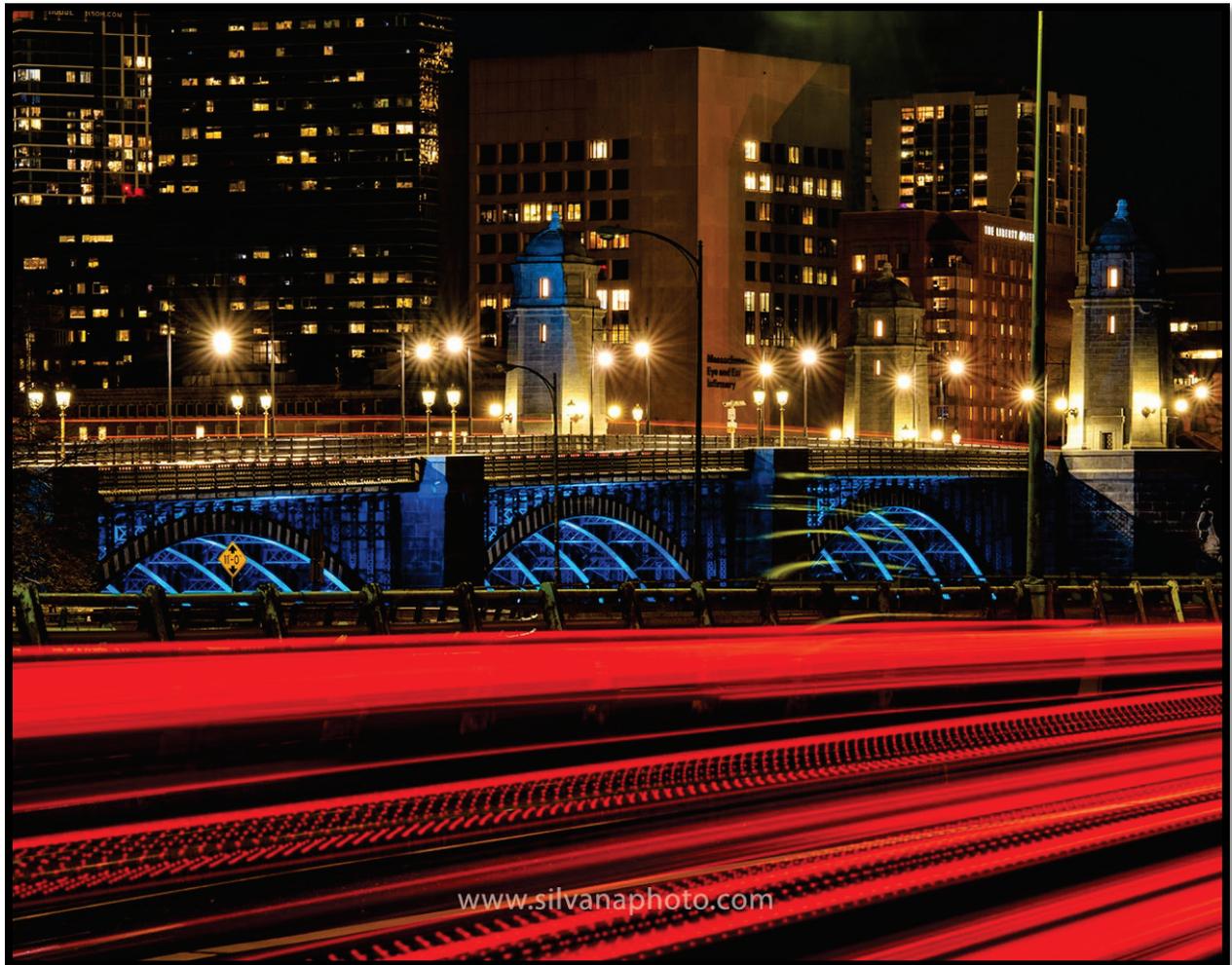




Time-lapse Recommended Settings and Accessories



Time-lapse Recommended Settings

- Shoot RAW
- Manual Mode (M)
- Use an internal or external intervalometer to set the interval between frames.
- Use a sturdy tripod
- Set the lens to manual focus once the focus has been set.
- Hands off the camera once the shooting has started!
- Most any lens will work

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- Prime
- Wide
- Super wide lenses
- Telephoto
- Determine what you wish to capture.
 - Daytime time-lapse
 - Generate a time-lapse in a short span of time due to the short exposure.
 - Set your exposure, set the interval and number of frames.
- Night time-lapse
 - Requires a longer span of time to shoot.
 - Night exposures tend to be long which extends the shooting time.
 - Plan to shoot for a minimum of one hour and a half.

Note

Be sure your tripod is level.

Close/cover the eyepiece (DSLR)

Set the exposure and take test shots. Adjust as needed.

Use ND Filters to slow down the shutter

Set focus to manual

Set the interval (in camera or external intervalometer).

Make sure the freshly formatted memory card is large (and fast) enough.

Use a freshly charged battery.

Videos (movies) have a frame rate between 24 to 240 fps (frames per second).
So, 1 second of video = 24 to 240 frames. (240 fps = 4k video)

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Time-lapse videos are made by taking individual shots at specific intervals and then assembling them using a frame rate of 24 or 30 fps, resulting in a video.

Use the 180° rule. 1/60 second for 30 fps, 1/50 second for 24 fps.

Determine the length of the video you want. This will determine how many frames are needed and how long the duration of the shoot will be.

A minimum of a 10-second time-lapse should be your goal.

Time-lapse Recommended Gear

[Syrp Genie One Motion Controller](#)

[Syrp Genie Mini ii Panning Head](#)

[Dew Heater](#)

[Dew Heater Battery](#) – Any power bank with a 5V output will work.

[Dummy Battery & External Power adapter](#) (link is for Nikon but many [other](#) cameras are supported)

[Power Bank](#) for camera external power adapter

[External Intervalometer](#)

[Tiffen Variable ND Filter](#)

[Focus on Stars Filter](#)

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Basic Reference

EVENT	INTERVAL	DURATION
Fast moving clouds	1 s	20 min
Slow moving clouds	10 s	2 h
Sun moving across a clear sky	20 to 30 s	4 h
Moon moving across a clear sky	20 to 30 s	4 h
Stars moving across the sky	15 to 60 s	4 h
Sunrise	1 to 3 s	40 min
Sunset	1 to 3 s	40 min
Moonrise	1 to 3 s	40 min
Moonset	1 to 3 s	40 min
Rainbow	1 s	20 min

Planning and Processing

- [LRTimelapse](#) – Timelapse creation program
- [qDSLRDashboard](#) – Camera control app. PC, Android, Linux. Controls Nikon, Canon, and Sony cameras. I use this for day-to-night/night-to-day time-lapses.
- [TimeLapse Calculator](#) – Mobile app (Android link)

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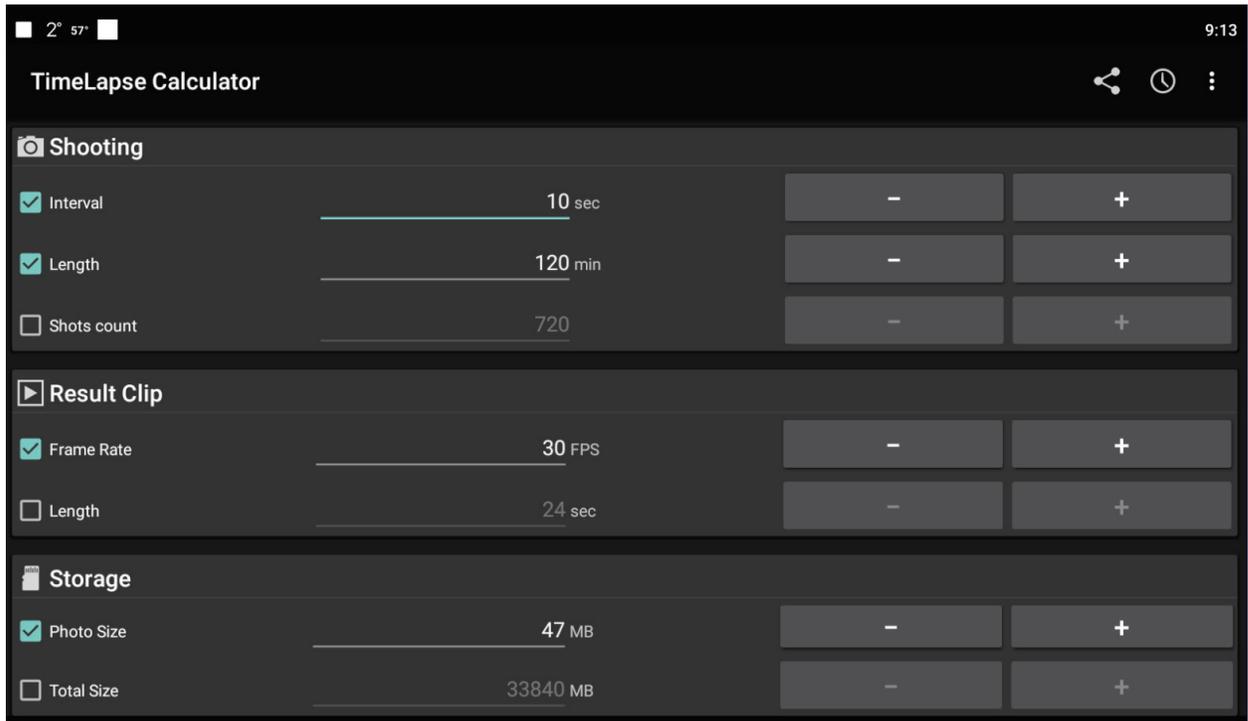


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TimeLapse Calculator - Apps on Google Play

Simple flexible app calculating all timelapse parameters for you.



Considering converting a camera to infrared? Use code **SDCIR2025** for a discount on any infrared camera conversion at [LifePixel](https://www.life-pixel.com/)

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