



TIME-LAPSE PHOTOGRAPHY

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Time-lapse Photography

- Technique which captures video frames at a slower rate than they are played back.
- Resulting video appears to speed up motion, often by a considerable amount.
- Generally used for two types of scene:
 - Very slow moving objects (creating smooth motion) e.g. flowers opening, construction projects, stars in the night sky.
 - Objects moving at normal speeds (creating impression of frantic activity) e.g. people in street, cars on the road, clouds in the sky



Steps to Produce a Time-lapse video

- 1. Make multiple exposures of the same scene at fixed time intervals
 - Use a tripod
 - Keep ISO, exposure and focus constant

- 2. Process images into a video file
 - In camera (if supported)
 - Post processing
 - Adobe Lightroom (with add-in template)
 - Use specialist application



HTC Re

- Lens and sensor only
- 146 degree super wide angle f2.8 lens
- 16 MP sensor 1/ 2.3 (6.2 x 4.6mm)
- 1080p, 30fps FHD video; 720p, 4x slow motion video
- Uses Bluetooth + WiFi to communicate with phone
- Supported on Android (4.3+) and IOS (7+)



Swan Hellenic - Minerva





Flåm, Norway





Time-lapse using a Canon DSLR

- Get a camera with built in time=lapse function e.g. Canon EOS 7D Mark II, EOS 5DS
- Get a timer remote control TC-80N3
 - <https://store.canon.co.uk/canon-tc-80n3-timer-remote-control/2477A004/>
- Go to eBay
 - <http://www.ebay.co.uk/itm/Time-lapse-intervalometer-Timer-Shutter-Fr-Canon-1200D-1300D-1000D-550D-500D-60D-/182836144828?hash=item2a91e22abc:g:9JsAA0Sw321Y2JQz>



Using the Timer Remote Control

- Plug in to the Remote Control Terminal
- Set following parameters:
 - DELAY - delay before first exposure (can be zero)
 - LONG – time shutter remains open (can be zero)
 - INTVL – interval between subsequent exposures (1s – 100hrs)
 - N – number of exposures (can be – unlimited)
 - SPK – Sound (on/off)
- Press Timer Start/Stop button



Typical Interval Values

Interval	Scenario
1s	Moving traffic
2s	Crowds
4s	Ferris wheels, cable cars
5s	River traffic, clouds
10s	Sun, moon
30s	Stars
1m – 60m	Flowers
24hrs	Construction projects



London Eye (Canon Jpg)





Emirates Cable Car (Canon JPGs)





Emirates Cable Car (Canon RAW)





London Eye (HTC Re)





Timelapse Post-processing in Lightroom

- Lightroom CC is now a completely new cloud based product
- Old desktop product now called Lightroom Classic CC
- Advantages of using Lightroom
 - Can process Raw images
 - Any LR adjustments can be applied to all images
- Useful links
 - <http://blogs.adobe.com/contentcorner/2017/01/12/to-the-fast-lane-of-time-lapse-with-photoshop-lightroom/>
 - To download the slideshow template
 - <https://adobe.ly/ziabiCa>
- Demo



THE END

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