

TIME LAPSE PHOTOMAPPING

Taking photos while driving, safely

SOTM-US 2012

Basic idea

A stylized, colorful map of a city grid. The map features a dense network of yellow and orange lines representing streets and highways. A prominent blue river flows through the center of the grid. Various blocks and areas are colored in shades of green, purple, and brown, suggesting different types of land use or parks. The overall aesthetic is clean and modern.

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- Take photos while driving normally
- Hands-free

Hardware needed

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- A GPS
- A GPS plugged into the car power socket works best



Hardware needed

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- A camera with time lapse functionality



Camera selection

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- A intervalometer function is needed
 - Found on GoPro cameras, Canon Powershots with CHKD firmware, some high-end cameras
 - GoPro for bikes
 - GoPro or Powershot for cars

Camera selection



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- ❑ Images are taken while moving, so good high-ISO performance is a plus
- ❑ Long battery life when taking lots of photos
- ❑ Tripod mount

Camera selection

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- ❑ Wide-angle gets you more of the view per picture
- ❑ Typically either lower quality or expensive lenses
- ❑ Found on GoPro



Camera selection

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- ❑ Narrower angle gets you street signs farther away
- ❑ Generally less expensive
- ❑ Found on point and shoot



Where to aim?

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Forwards

- Same view as you have driving
- Good for street signs
- Minimal motion blur

Sideways

- Different view
- Good for POIs
- Motion blur increases with speed
- Not suggested for highway driving

Other tips

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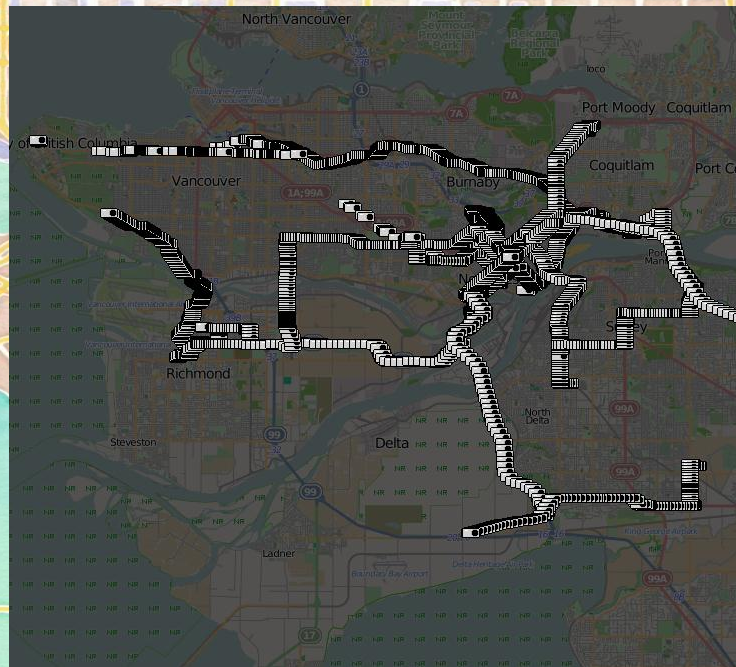
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- ❑ Use manual focus or distance override
- ❑ Higher up gets you better views but might be in your way

Viewing Photos

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- Use JOSM to correlate to GPX files and geotag



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Credits

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