

Imagery used for the Neovision2 evaluation

Helicopter - Los Angeles



Tower – Stanford University



Los Angeles helicopter imagery

Wide range of object classes

Realistic camera motion

- Platform motion, collection angle

Platform	Helicopter Tyler mini-gyro with two KS-8 gyros
Sensor	Panasonic AJHPX3000 Three 2/3" CCD sensors 1920 x 1080 pixels Canon 7.7-135 lens with auto iris on Full-frame shutter @ 1/1000 sec Manual white balance 5600k No ND filter
Imagery	1080p video (29.97 frames/sec) Converted to 8-bit PNG frames
Collection	Many sites around Los Angeles, CA Single date
Conditions	Overcast
Object Classes	Car, truck, tractor-trailer, bus, container, boat, airplane, helicopter, person, cyclist



Stanford tower imagery

Cleanest, highest resolution data set

- Fixed platform
- Limited set of moving objects

Platform	Fixed
Sensor	Canon T2i (APS-C sensor) 50mm lens 1920 x 1080 pixels Settings variable
Imagery	1080p video (29.97 frames/sec) Converted to 8-bit PNG frames
Collection	Hoover Tower at Stanford University (14 th floor) Single date
Conditions	Variable daytime - sunny and overcast
Object Classes	Car, truck, bus, person, cyclist

