

Real-Time Traffic Analytics at Intersections

Data description

Describe the data that will be gathered in the course of the research project, including whether the data should be preserved for long-term access.

Video data will be collected of public streets. The purpose of the data collection is to analyze the videos to compute traffic analytics. Data will be collected with custom written software over the duration of the award period (1 year). Data has long-term value to the computer vision community for developing new computational algorithms. DMP will be reviewed frequently by the PI and co-PIs to ensure adherence.

Data format and metadata standards

Describe the standards and machine-readable formats that will be used in the course of the research project.

Data will be collected in a standard compression video format such as H.264. Still frames will be captured and compressed in the JPG format. Data will be stored according to capture data and accompanying documentation will record the circumstances of the collection. Standard software (usually default viewers for major operating systems) with the proper codecs will be capable of viewing the data.

Policies for access and sharing

Discuss the access policies that will apply to the data, so as to protect against the disclosure of identities, confidential business information, national security information, etc. and whether public use files may be generated from the data.

Video/images files will be shared with those working on the project via internet connection with a data server. Public sharing of the data will be permissible for education purposes. Any identifying information (faces and license plates) will be blurred before publicly sharing the data.

Policies for re-use, redistribution, derivatives

Discuss the policies for re-use, re-distribution and derivative projects.

The PI and co-PI will manage the data and release the data for education purposes upon request.

Plans for archiving and preservation

Outline the plans for archiving and preservation, specifying where research data will be deposited, and specify that data will be deposited at the time of initial publication of any related peer-reviewed journal article.

Data will be stored on a private data server in the laboratory on campus. It will be archived on a separate drive stored at another location. Archival will occur following the collection period (1 year).