

VEHICLE SPEED ESTIMATION

Ha Quang Phuoc(1), Pham Thanh Phong(2), Nguyen Van Anh Tuan(3)

June 20, 2020

***Correspondence:**

1. Aerospace Engineering, Vietnam Aviation Academy, HCM city, hqphuoc129@gmail.com.
2. Department of Telecommunication - Electronics Engineering Technology, Vietnam Aviation Academy, HCM city, phongpham663@gmail.com.
3. Department of Telecommunication - Electronics Engineering Technology, Vietnam Aviation Academy, HCM city, nvantuan0706@gmail.com.

Abstract

Vehicle speed estimation is an important problem in traffic surveillance, especially large and developing cities. It can be used to monitor conditions and detect problems such as traffic jam and vehicle speed limit violation. The detected vehicle object will be tracked to determine the location in each frame to estimate the speed based on its distance between frames.