Adaptive Traffic Light Detection using Color Spaces

Abstract

This paper presents a color space based algorithm for traffic signal light detection for the modules used in Advanced Driver Assistance Systems (ADAS). The autonomous vehicle has been a topic for the discussions among the computer science engineers for several years. Traffic Signal Light Detection algorithm is based on color space theory which efficiently detects the color of traffic light during day time as well as night time i.e. weather invariant..

References


Index Terms

Computer Science

Image Processing

Keywords
ADAS, Autonomous Vehicle Theory, TSLD, Color Space