Vision Based Vehicles Detection for Intelligence Transportation Systems

Myat Su Oo
myatsuoo@ucsm.edu.mm
University of Computer Studies, Mandalay, UCSM

May The` Yu
maytheyu@gmail.com
University of Computer Studies, Mandalay, UCSM

Research in advanced driver help machine (ADAS) is a vital step towards accomplishing the intention of the autonomous smart automobile. ADAS is the machine to help the driver inside the using technique due to the fact maximum road injuries took place due to human blunders. Vehicle detection and distance estimation is a crucial solution for ADAS. This paper aims to reduce traffic accidents on the road using computer vision technologies and to implement the driver assistance system. In this paper, firstly, this system inputs the video and segments the videos as the frames. After segmenting the images, vehicle detection results are represented. In the experiments, own datasets are created by capturing videos in Nay Pyi Taw, Myanmar and detection results are described.