IMAGE PROCESSING OF MOVING OBJECT CAPTURED AND RECEIVED BY GPRS/GSM MODEM

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ABSTRACT:

Speed trap systems are one of the most efficient and widely used to regulate the traffic and to maintain road safety in this 21st century. The systems used here are installed at hidden areas. Here the image of over speeding vehicle is captured by speed camera. This paper works on such images and to develop a system which helps in road safety. A mobile phone equipped with a camera is used to capture the plate number of the over speeding car and the image is sent by the mobile phone to the modem. The received image is then processed with the help of spatial domain image processing techniques. The pixel domain work is carried with the help of intensity transformations and the plate numbers are extracted with neural network architecture. Finally, the extracted plate numbers are stored in Microsoft database. This is the system that is presently used for maintaining road safety and to regulate the traffic where human surveillance is not possible.