Abstract

In real-time, identifying license plates from low quality images affected by multiple factors, such as severe brightness condition, tough background, distinct weather conditions, darkness, and appearance distortions is a difficult process. This paper gives a comparative analysis of different license plate detection (LPD) techniques in terms of their detection ratios. Super-resolution and enhancement techniques are discussed to overcome the problems faced by license plate recognition systems such as detecting license plates from blurred images. It is realized that image enhancement techniques are superior to image super-resolution techniques for improving low quality images.

References


11. K.S. Raghunandan, Palaiahnakote Shivakumara, Member IEEE, Hamid A. Jalab, Member IEEE, Rabha W. Ibrahim, Member IEEE, G. Hemantha Kumar, Umapada Pal, Senior Member IEEE and Tong Lu, Member IEEE, “Riesz Fractional Based Model for Enhancing License Plate Detection and Recognition”, IEEE Personal use is permitted, pp. 1051-8215, 2016.


Index Terms

Computer Science

Image Processing
Keywords

LPD, low resolution, super-resolution, image enhancement