Abstract

Video text information plays an important role in semantic-based video analysis, indexing, and retrieval. Text embedded in the image or video contains very useful information like the name of the person, title, location and sometimes brief description of the image. Many algorithms have been proposed to detect and localize the text information present in video images. In this paper, we proposed a methodology to enhance the quality of the image and then detect and localize text regions from low quality video images. Experimental results show the proposed method achieves improved precision rate and recall rate.

References

- H. Demirel and G. Anbarjafari, "Satellite image resolution enhancement using


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Index Terms

Computer Science Image Processing

Keywords
Text Region Extraction Connected component Edge based Localization Text detection
Texture features
Discrete wavelet transform (DWT)
Stationery wavelet transform (SWT)
Low Resolution Image (LRI)
Resolution Enhancement Image (REI)