Abstract

Identifying moving objects from a video surveillance is a fundamental and critical task in many computer vision applications. Video segmentation is one such application which has been studied for several decades and still remains a difficult problem for the system to automatically and accurately segment moving objects from video sequence with various backgrounds and global motions in real time. This paper proposes a new approach namely ELT (Enhanced Laplacian Thresholding) for real time video segmentation. The aim of this video enhancement method is to improve the visual appearance of the video and future-automated video processing like analysis, detection, segmentation, recognition, and surveillance for traffic, criminal justice systems and other areas that include analysis on large scale.

References


Index Terms

Computer Science Video Processing

Keywords

Video Segmentation Preprocessing Laplacian Pyramid Otsu’s Method