Abstract

Moving object detection has been widely used in diverse discipline such as intelligent transportation system, airport security system, video surveillance applications, and so on. This paper presents two different methods for moving object detection, Simple Background subtraction method and Temporal Difference method. In both methods, we used Static camera for video capturing purpose. First of all, we obtain Difference image using Simple Background subtraction method and Temporal Difference method and then use fixed threshold method to obtain a more complete Moving Object. In this paper a Performance comparison of Simple Background Subtraction Method and Temporal Difference Method is carried out from literature.
as well as through implementation.

References

- Du-Ming Tsai and Shia-Chih Lai, "Independent Component Analysis Based Background Subtraction for Indoor Surveillance," IEEE Transactions on Volume 18, Issue 1, Jan. 2009 Page(s): 158 - 16

Index Terms

Computer Science

Image Processing
Keywords
Moving Object Detection  Static Camera  Fixed Threshold  Video Surveillance
Applications