A Review on Outdoor and Indoor Automated Video Surveillance Systems

Volume 132 - Number 6

Year of Publication: 2015

Authors:
U. Pavan Kumar, Bharathi S.H.

10.5120/ijca2015907524

Abstract

Video surveillance is an important area of computer vision research, its applications including both outdoor and indoor automated surveillance systems. Detecting through video image processing is one of the most attractive alternative new technologies as it offers opportunities for performing substantially more complex tasks and providing more information than other sensors. Video Surveillance systems have as main goal to control the safety and the security of materials of which utilizing people. This paper provides an overview of various methods and techniques from the research area that address the problems of representation, recognition and learning of events, actions and activities of inhabitants from an environment.

References


20. M.Isard and A.Blake, "CONDE$$ATION conditional density propagation for visual
51. Hanzi Wang; Suter, D.; A re-evaluation of mixture of Gaussian background modeling ICASSP '05). IEEE International Conference on video signal processing applications Vol. 2 Page(s) 1017 - 1020.


Index Terms

Computer Science  Image Processing

Keywords

Video surveillance; tracking; Shadow removes; Motion detection.