Abstract

It is important to know the road traffic density for effective traffic management and intelligent transportation system (ITS). The increasing traffic volume creates a greatest challenge in today’s traffic research. This work is to detecting moving vehicles in video streams of traffic scenes recorded by low resolution cameras using some of the image processing techniques. Vision based traffic surveillance is a fast emerging field in road management schemes and highway monitoring. Video cameras are used to provide a rich information source for human understanding. Video sequences are captured and tested with the image processing techniques. Many methods and algorithms have been proposed in this paper to detect vehicles on highways.

References

1. Benjamin Coifmana,,David Beymerb, Philip McLauchlanb, Jitendra Malik, “A real-time computer vision system for vehicle tracking and traffic surveillance,” Transportation Research


8. Tsuyoshi Idé, Takayuki Katsuki, Tetsuro Morimura,” Monitoring Entire-City Traffic using Low-Resolution Web Cameras”


Index Terms

Computer Science Image Processing

Keywords

Image processing techniques, Traffic Analysis, Vehicle detection, Vehicle tracking..