Abstract

Computer Vision (CV) focuses on the automatic extraction, examination and comprehension of valuable data from a single image or a group of images. Object tracking, one of the key areas in CV, has received a lot of attention in recent times. Tracking objects is a systematic process of monitoring the movement of a target object from its initial state to the nth state over a period of time using a camera. This technique is often used as a security feature in both military and civilian systems. However, prior studies have shown that tracking objects in motion is a very difficult task and is a hot research hotspot in the field of computer vision and machine learning. In this review paper, we discuss various techniques in detection, tracking, and some other related works of moving objects in video streams.

References

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Index Terms

Computer Science                               Pattern Recognition

Keywords

Automatic Extraction, Object Detection, Object Tracking, Computer Vision and Machine Learning.