Abstract

Object tracking refers to spotting the presence of one or more objects of interest in each frame of a video. The task of object tracking is mainly useful in visual surveillance and scene understanding applications. With the increasing availability of rich video contents, new application areas are emerging every day. Generally, object tracking plays an intermediate role in many such applications. Several techniques can be found in literature but the basic evaluation
and choice parameter that many applications consider include fast execution speed and automatic operation of the tracking method. There remains a tradeoff between accuracy and execution speed for the object tracking methods. Further it is true that in today’s applications the most important category of objects is human himself. This paper proposes a technique for human detection and tracking in video. The proposed method is accurate and efficient in execution speed. Several experimental results presented in the paper demonstrate novelty of method.

References

An Approach to Deformable Object Tracking in Video


Index Terms

Computer Science

Image Processing

Keywords

Human Detection  Object Tracking  Visual Surveillance  Video Processing