Abstract

Detecting some specific suspicious activities is a core part of questionable observer detection. Activity recognition and questionable observer detection are important fields of study in artificial intelligent system building and computer vision. Questionable observer detection will not only reduce the workload of thousands of workers but also can prevent crimes. This research investigated existing methods and presented a framework to detect a specific activity. This work has shown the tabular study of algorithms, detected actions, datasets used and accuracy for each type of activity recognitions. This research has also proposed a framework to detect a questionable observer from video on basis of a specific action named avoiding eye contact. The algorithms to detect face, eyes and irises are also described here. This research has also proposed that determining the location of iris in consecutive frames can detect if a person is trying to avoid eye contact.


15. Chen, Zhenghua, Le Zhang, Zhiguang Cao, and Jing Guo. "Distilling the Knowledge


Index Terms

Computer Science  Information Sciences

Keywords

Iris detection, Suspicious activity detection, Activity recognition, Questionable observer detection.