Abstract

Human gesture recognition has become a very important topic in computer vision. The purpose of this survey is to provide a detailed overview and categories of current issues and trends. The recognition of human hand gesture movement can be performed at various levels of abstraction. This survey concentrate on approaches that aim on recognizing traffic police hand signals. Many applications and algorithms were discussed with the recognition framework. General overview of traffic control gestures and its various applications where discussed in this paper. Most of the recognition system uses the benchmark datasets like KTH, Weizmann. Some other datasets were used by the action recognition system. In this paper image representation, action representation, human action detection, feature extraction and human action recognition were also discussed.

References


**Index Terms**

Computer Science

Pattern Recognition

**Keywords**

Computer vision traffic control gesture hand action feature extraction Activity recognition.