iHand Gesture Detection and Recognition System: A Critical Review

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Hand gesture recognition is used enormously in the recent years for interact human and machine. There are many type of gestures such as arm, hand, face and many other but hand gestures give more meaningful information than other types of gestures. There are many techniques for hand gesture recognition, such as color marker approach, vision-based approach, glove-based approach and depth-based approach. The main purpose of gesture recognition system is to develop a useful system which can recognize human hand gestures and used them to control electronic devices. This paper reviewed the most common used hand gesture recognition methods, tools and analysis the strength and weakness of these methods, and lists the current challenging problems of hand gesture recognition system.