SURVEILLANCE SYSTEM

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Abstract

The proposed invention to a surveillance system, comprising a camera having a first transmitter that captures images in real time, a display incorporating a first receiver that receives and displays the images, a controller encompassing, a microcontroller coupled with a second receiver that receives the signals and generates command signal (s) that are feed in a relay, a motor connected to the relay that moves upon receiving the command signal, and multiple wheels connected to the motor that revolves in association with the motor.

1. Introduction

Robot is a machine that is fabricated to execute one or more task autonomously with higher speed and precision. There are different types of robot which are categorized according to type of work which is to be performed, such as androids robot, tele chair robot, and telepresence robot. The tele chair robot is a complex robot that is remotely controlled by a human operator [1]. The telepresence robot is remote controlled whelled device having a display unit to enable video chats and video conferencing among the other purposes. The android robot is robot that is designed to resemble a human [2]. The life is notebook of problems to be solved [3]. In our technical world the rate of inventions are increasing on the regular scale. Robotics is one of the most important [4] technology which is used for surveillance purpose to determine the wireless location of objects/individuals in order to collect information or data from the same. As it is known that the robot performs the surveillance task more efficiently by consuming short interval of time [5]. The robot also help us in performing task with more precision. Sometimes when the person try to perform multiple task at same time then they lack in accuracy and also get stressed out because of huge burden of work. In order to minimize the aforementioned problems, there is need to develop a robotic system that can perform multiple functions at same time with more

accuracy. The robotic systems assist people in managing their time and performs the allotted tasks with more precision.

2. Experiment

The proposed invention relates to a surveillance security system for collecting the information from the wireless location [6], to reduce the chances to burglary. The camera with a transmitter that captures the images in real time. The motor consists of: the tilt/right for moving the camera in upward and downward direction to capture images in vertical direction[8]. The camera is helpful in capturing images of the real time location. The liquid crystal is attached to the receiver that display the images captured by the image capturing unit. The controller is encompassing a second transmitter that manually provides input signals on the basis of the images. The microcontroller is linked with a second receiver that receives the signals and generates command signal (s) which are feed in a relay.

3. Result and conclusion

The system is fabricated to collect the real time information of wireless location, for enhancing the security of data or information from burglary. It is beneficial in minimizing the risk of data hacking. It collects the audio or video signal of the real time and then transfer the same to the person present at wireless location.

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