Wireless Video Surveillance Robot using Raspberry PI Pico

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Abstract*: Today closed circuit television (CCTV)surveillance systems are used to keep the peace and keep people safe. Video surveillance systems have some drawbacks, including The image being blurred, the person cannot be automatically detected, The amount of storage space needed to keep the is large for storing the monitoring information, and the price remains relatively high. This project is about designing and controlling a mini robot usinga Raspberry Pi. The design is the goal of the project to construct a smart surveillance system using his Pi Pico for mobile devices. We describe the development and use of a cheap Raspberry Pi-based system monitor that follows a motion detection algorithm. Additionally, the system dramatically reduces memory utilization by using motion detection techniques, saving money on investment. The Raspberry Pi uses a motion detection algorithm to enable live-streaming cameras and motion detection. Your cell phone can be used to see live video cameras in real-time. Additionally, the system dramatically reduces memory utilization by using motion detection techniques, which reduces investment expenses. The Raspberry Pi uses a motion detectionalgorithm to enable live-streaming cameras and motion detection. Any web browser, even those on mobile devices, allows for real-time viewing of live video cameras.*

Keywords: Raspberry pi pico, MicroPhyton, web camera

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