

ABSTRACT

Nowadays, wireless is one of our necessary and were developed for fulfill its applications. Wireless is normally used to refer to any type of electrical or electronic operation which is accomplished without the use of a hard wired connection. Wireless communication of information is to transfer over a distance without the use of electrical conductors or wires. The term "wireless" came into public use to refer to a radio receiver or transceiver (receiver and transmitter device), establishing its usage in the field of wireless telegraphy early on; now the term is used to describe modern wireless connections such as in cellular networks and wireless broadband internet. Hence, this project is basically design and develop Wireless Camera Control via PC. The control panel is developed using MATLAB for image acquisition and analysis.

OBJECTIVES

- To control the basic type of wireless camera.
- To response wireless camera using computer only.
- To use the MATLAB as a program to control the wireless camera.

ADVANTAGES

- Wireless camera using computerized is more efficient and flexible than remote control.
- We are able to control a wireless camera as a security at a hide places
- The wide angle of lenses is easier to focus images.
- Low cost to produce wireless camera using computer.

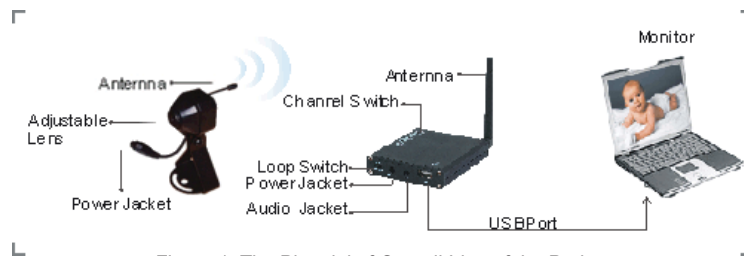


Figure 1: The Pictorial of Overall Idea of the Project

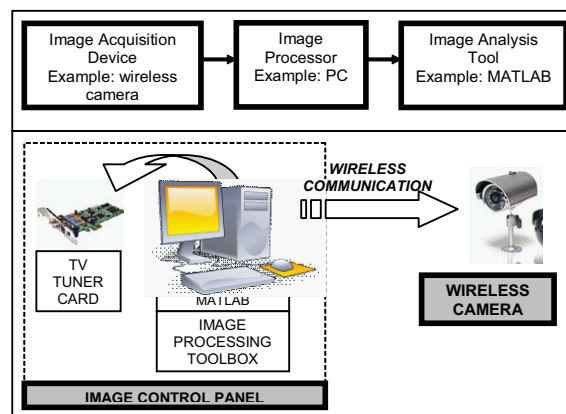


Figure 2: The detailed design of the PC-Based Wireless Camera Control

Researchers Info

Fatimah Binti Razak, Alias Bin Khamis
 Hyreil Anuar Bin Kasdirin
 Hairol Nizam Bin Mohd Shah
 Muhammad Herman Bin Jamaluddin

Tel : +6(06)-555 2315
 Fax : +6(06)-555 2222
 E-mail : hyreil@utem.edu.my

NOVELTY

The project is designed to use analogue camera (wireless camera) that integrated with MATLAB R2006A as its control panel and used the Image Processing Toolbox for image acquisition and analysis