Thermal Image Monitoring Camera

An Undergraduate Special Problem

Presented to

The Faculty of Computer Studies Department

De La Salle University-Dasmariñas

In Partial Fulfillment

Of the Requirements for the

Degree of Bachelor of Science in Computer Science

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March 2013

ABSTRACT

Name of Institution: De La Salle University – Dasmariñas

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Title: THERMAL IMAGING MONITORING CAMERA

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Funding Source: Parents **Cost:**16,500

Date Started: June 2012 **Date Ended:**February 2013

Objectives of the Study:

A. General

- To develop a Thermal Imaging Monitoring Camera.

Scope and Coverage:

The limitation of the Thermal Image Monitoring Camera is the camera can't detect through walls. It only detects 4 meters away. The camera is not fireproof and waterproof. Because thermal energy can be reflected off shiny surfaces, thermal imaging cameras cannot see through glass.

Regardless of what Hollywood movies may show, thermal imaging cameras cannot see through walls. It is also important to know that thermal imaging cameras should not used as the deciding factor that a problem exists. It cannot detect at night but as long as there's light in the area, it can still detect a heat. In daytime, it surely can detect. The Camera can detect anything as long as the object has heat in it and the camera must be stable.

Methodology:

- The researchers used descriptive survey method for this study. The Survey method is explicitly applicable in this study. The researchers had also used close ended questions to lessen ambiguity and make it simple for the respondents to comprehend analyze. Furthermore, in this study, survey method helped the researchers to quantify the space occupied by the different civic spheres including politics in the scope of interests of De La Salle University - Dasmariñas students.

Major Findings:

- Based on the findings of the study, the researcher has attained the following conclusions and generalizations:

1. Specific Question: Do you think Thermal Imaging Camera help us to detect or identify body temperature?

    - The assumption of the researchers that Thermal Camera has something to do in the process of students' that Thermal Imaging can sense and determine heat of an object and its ambient temperature.

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