Implementation of Motion Detector System using Aforge.Net
Motion Detection in Video Camera

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ABSTRACT

Motion detector system is an application designed to provide notification whenever any motion is detected from a video capture analysis. The programming in this design is performed using C# language and AForge.Net Framework library of Microsoft Visual Studio 2010. AForge.Net is preferred because of its ability to filter the image processing using C#. The design is started by building the motion detector program. After the program is ready to run, several experiments are conducted to provide optimum result.

The experiments are performed by comparing the result of manual observation and system’ output. The result suggests that the system’s accuracy is very good, with value of 98.1%. The system is also capable of detecting any motion on some area. This area can be specified by user to focus the monitoring of a certain object.

Keyword: Motion Detection, AForge .NET Framework, C# Programming