

DESIGN OF A SPEED STRAP SYSTEM

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Abstract

The objective of this study is to develop a speed strap system which is capable of measuring the speed of moving objects. This system uses ultrasonic motion detector technology to detect moving objects. Two pairs of ultrasonic motion detectors connected to the computer via parallel port. A program written in visual basic 6.0 allows the user to monitor the system operation and the program displays the velocity of the moving objects. The information obtained is stored in database and reports can be produced. An LCD module used to warn speeding vehicles. This report explains the researches undertaken, theory and applications for developing this system. Final product results included for discussion.