



ABSTRACT

The present invention is directed to a system and method for detecting and counting moving vehicles on a road or at the entrance and exit junction of a building or a car park. The vehicle detection and counting system of the present invention comprises at least two ultrasonic sensors for determining the width of the moving vehicle, at least two infrared sensors for detecting incoming vehicle and direction of travel, a controller for processing the signals from the sensors and differentiating a vehicle from other moving objects, and a counter for counting the number of detected vehicles. By measuring the width of the moving vehicle, the vehicle detection and counting system is adapted to differentiate vehicles from unwanted moving objects like motorcycles and people. The system is mounted above the ground and is relatively inexpensive to install.

FIG. 2 to accompany the abstract



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