عنوان مقاله:

IINTEGRATED TECHNOLOGIES FOR SECURITY ENHANCEMENT OF VEHICLES

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خلاصه مقاله:

In this paper, we propose a new idea on vehicle security system using integrated network technologies which are GPRS, high rate and low rate WPAN. The system is integrated with motion detector, siren, digital camera, and microcontroller. The basic idea of the system is when the motion detector detects the motion in the vehicle, the signal will be send to microcontroller. Then the microcontroller sends the signal to the siren and at the same time will activate the digital camera, where the captured image is recorded and transmitted back to the microcontroller. Afterward, the microcontroller decides to either utilize the low rate, high rate WPAN or GPRS to send the signal to the user's mobile phone. The decision is made based on the distance of the user's mobile phone from the vehicle.

کلمات کلیدی:

Vehicle security, ubiquitous computing, high rate WPAN, low rate WPAN

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