Abstract

Recently, the demand for home security in the world is intensifying due to the aging population with low birth rate and the significant increase in number of nuclear family with dual working parents. Some enterprises like SECOM, ALSOK, CSP, provide home security services in Japan and many other places. However, most of these services rely on security guards, which is expensive. Besides, some families do not like their homes being under surveillance and
monitoring data being kept by a third party. This paper describes a light weighted home security system that exploits the common use of wireless communication technology like mobile phone, Bluetooth communication, wireless sensors, etc. One of the significant advantages is that the monitoring data is kept in a home web server and is shared by family members only. Moreover, the system scale is small and the cost is low, which is more suitable for the smaller scope of a home and a general civilian family.

References
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Computer Science
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Abnormal Detection