

Review of: "Visualization of Home Security Sensor System Based on IoT Server"

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Potential competing interests: No potential competing interests to declare.

Recommendation: Accept

The manuscript provides valuable insights into the development of a home security system based on IoT technology. The research methodology is appropriate, and the experimental results support the proposed approach. The manuscript is suitable for publication, and the findings will contribute to the field of home security and IoT applications.

Additional Suggestions:

- Enhance the manuscript's clarity and reproducibility by providing more details on the hardware components used in the system. Include information such as sensor models, microcontroller specifications, and wiring diagrams.
- Expand on the software requirements analysis section by explaining the role of Arduino IDE Ver 1.8.7 and Thingier.io in developing the visualization prototype. Highlight how these software tools were utilized and their significance in achieving the desired functionality.
- Elaborate on the data delivery flow to the cloud, as illustrated in Figure 8. Explain the communication protocols or mechanisms employed to transmit sensor data to the cloud-based dashboard. This will improve understanding of the system's architecture and data management processes.

By addressing these suggestions, the manuscript can further improve its clarity, depth, and overall quality.