

Peer Review

Review of: "Exploring the Magnitude-Shape Plot Framework for Anomaly Detection in Crowded Video Scenes"

Kyohong Jin¹

1. Dept. of Electronics, Changwon National University, Korea, Republic of

This paper presents a **strong contribution to video anomaly detection** with a novel **statistical approach** that offers **interpretability and competitive performance**. However, the following areas require improvement:

Suggestions for Enhancements:

- **Real-Time Performance Analysis:** Investigate whether the proposed method is feasible for real-time applications.
- **Evaluation Under Diverse Conditions:** Include experiments under various conditions (e.g., changes in lighting, crowd density fluctuations).
- **Computational Complexity Analysis:** Compare the computational cost of the proposed method with deep learning models, discussing its scalability and efficiency.
- **Comparison with Recent Deep Learning Approaches:** Provide a more detailed discussion on how the proposed approach compares with recent deep learning-based anomaly detection methods.

Declarations

Potential competing interests: No potential competing interests to declare.