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Trajectory-based Vehicle Tracking at Low Frame Rates

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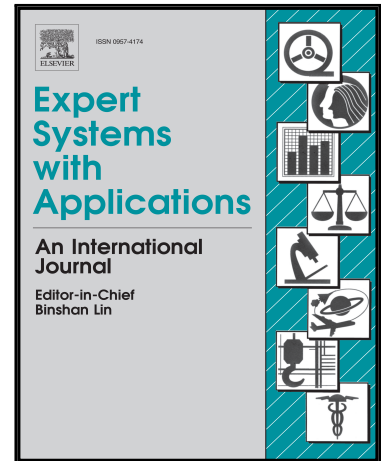
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Highlights

- A new vehicle tracking method is proposed for an embedded traffic surveillance system.
- The proposed method demonstrates efficient tracking performance at a low frame rate.
- The proposed method employs greedy data association based on appearance and position similarities.
- To manage abrupt appearance changes, manifold learning is used.
- To manage abrupt motion changes, trajectory information is used to predict the next probable position.

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