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Pedestrian recognition in multi-camera networks using multilevel important salient feature and multicategory incremental learning

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**Highlights**

- Multilevel important salient map and colour feature for robust appearance modelling.
- A novel multcategory incremental modelling for accurate realtime object recognition.
- Only few samples for building an accurate classification model.
- New target objects can be effectively recognized after incremental learning.
- Better performance in accuracy, robustness and computation efficiency.

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