

Its key innovations include enhancing accuracy and efficiency for real-time performance in diverse scenarios and reducing computational and memory demands for improved power management, enabling cost-effective, real-time applications in urban environments.

PROJECT

SCIENTIFIC

Study of state-of-the-art

model design principles
to create novel architectures, with
advanced attention mechanisms,
backbones and loss functions

UAVS, focusing on Smart City surveillance.

BJECTIVES

training and deployment optimization strategies to develop lightweight AI models

Implement and evaluate novel object detection models
Optimized Object detection models for edge deployment with a focus on
computational efficiency and reduced memory usage
Real world pilot scenarios in smart city environments



partners





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