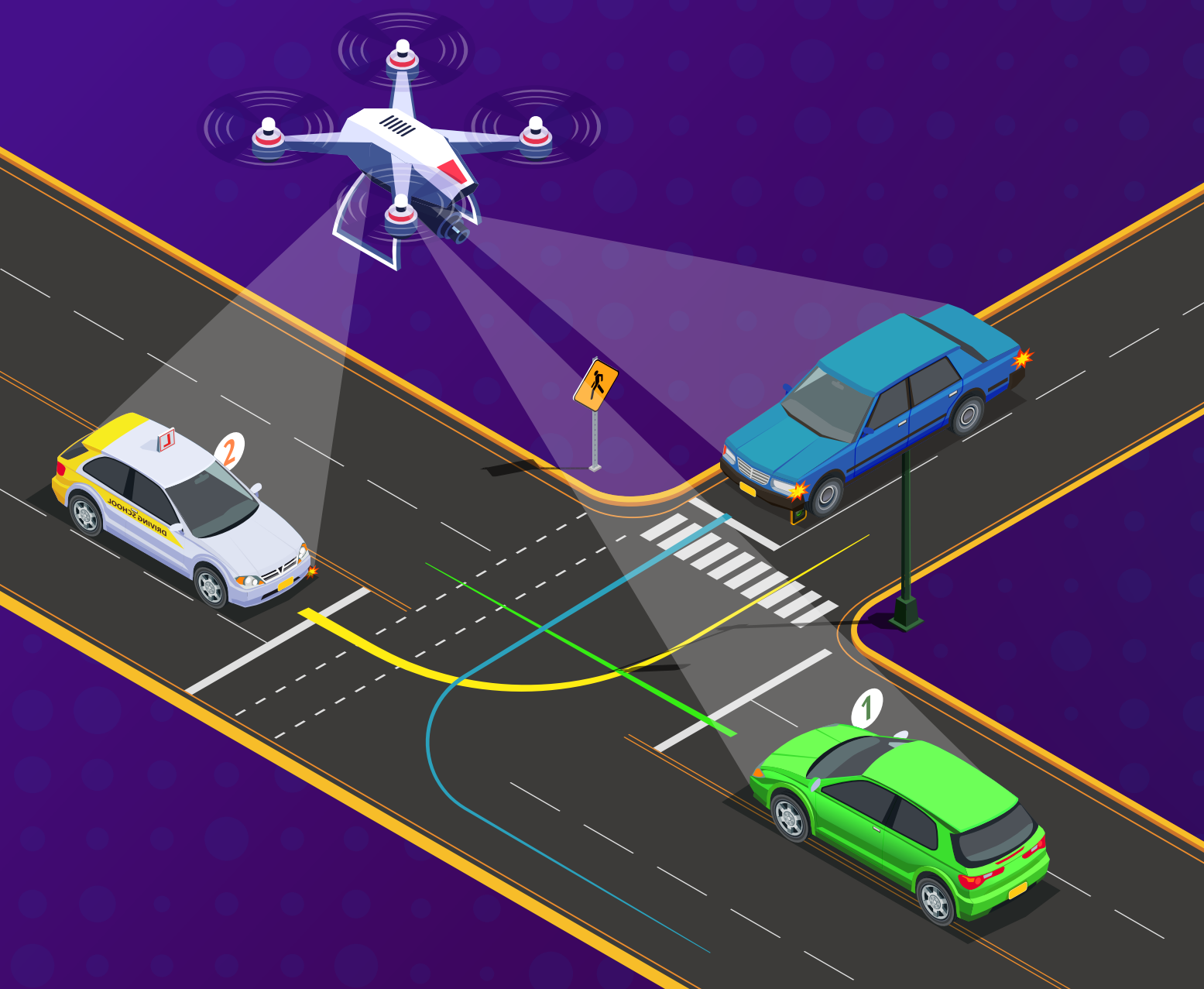


Novel Real-Time Object Counting Method for Unmanned Aerial Vehicle Images

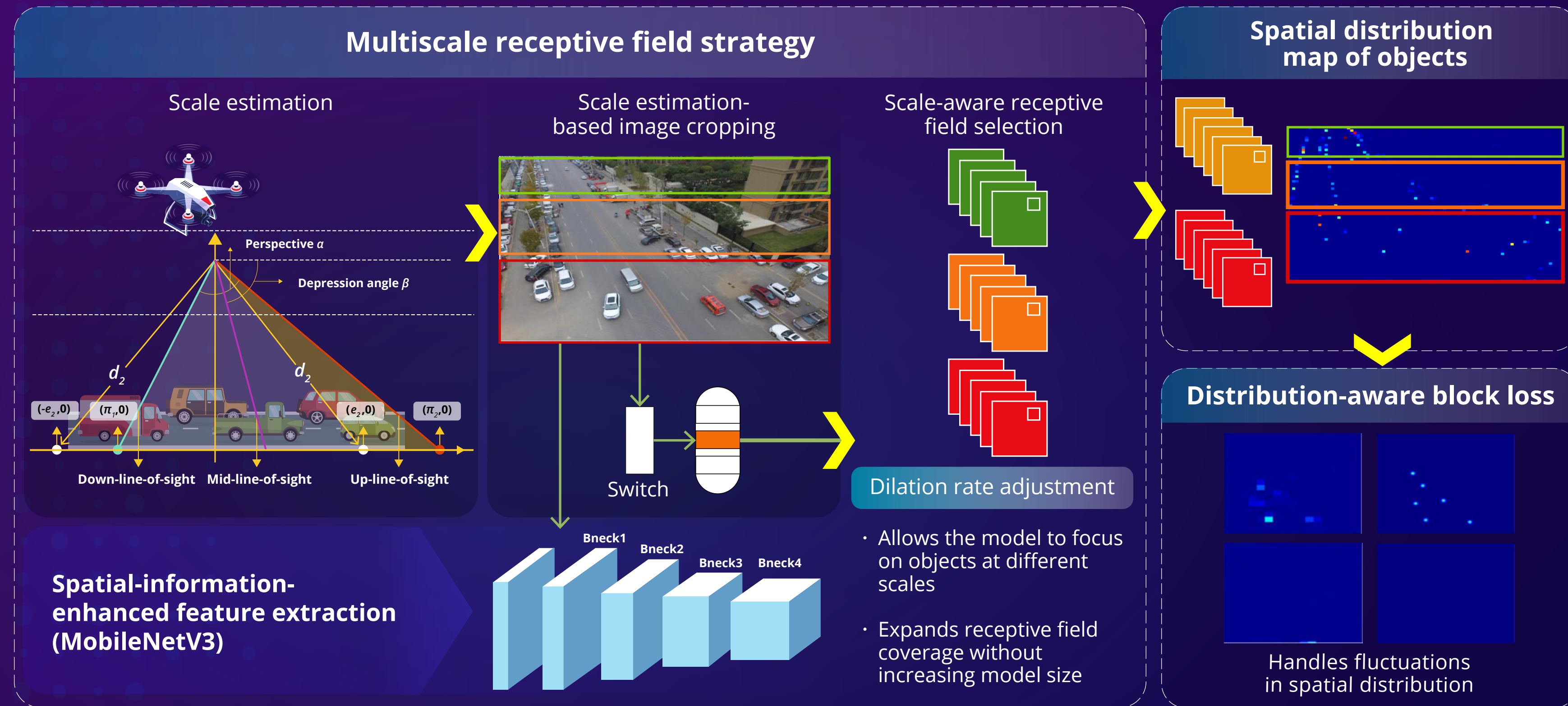
Combined with object counting methods, unmanned aerial vehicles (UAVs) can perform in-air traffic measurements via vehicle counting



However, due to computational and memory limitations, UAVs often fail to deploy complex models for real-time object counting



Parameter-adaptive vehicle counting method for UAV images



VS CSRNet:



- 29.4–54.0% decreased mean absolute error
- 28.6–41.2% decreased mean squared error
- Reduced inference latency



Higher counting accuracy than MCNN and MobileCount

The proposed method counts more accurately than state-of-the-art models while having similar inference latency and is scalable