HaydenAI

Automated Bus Lane Enforcement
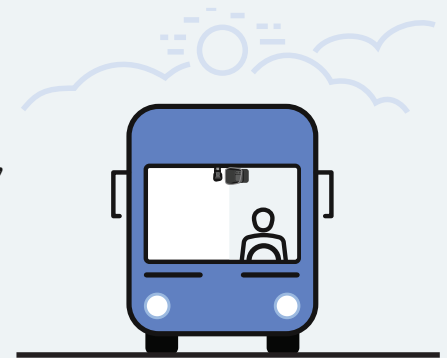
Keep bus lanes clear for buses

A mobile perception platform that keeps buses frequent, accessible, and safe

Bus lanes help buses stay on-time and reliable – but not if cars are parked there. Illegal parking or driving in bus lanes delays entire bus routes and keeps transit riders from reaching their destinations on time. For years, transit agencies have had little power to fight back.

Hayden AI's Automated Bus Lane Enforcement platform uses bus-mounted, AI-powered camera systems to keep bus lanes clear for buses. By enforcing bus lanes at scale and in real-time, our platform helps speed up transit and improve safety.

In New York City, the MTA's automated bus lane enforcement program has significantly increased compliance with dedicated bus lane restrictions. According to the MTA, **86% of drivers who receive a violation do not receive another**, indicating that the program changes driver behavior. Additionally, the program has improved safety along deployed routes, with collisions along the M15-SBS down by 34% since automated bus lane enforcement began.[1]

Why What We Do Matters

- ✓ **More Efficient Bus Operations** by improving bus speeds, on-time performance and reducing time spent per commute trip

- ✓ **Enhanced Safety** by decreasing collisions and protecting bus riders as they get on and off the bus

- ✓ **Increased Transit Ridership** by improving on-time performance and schedule reliability

1) https://new.mta.info/press-release/mta-and-transit-advocates-call-bus-camera-enforcement-expansion-be-included-final

We deliver leading edge technology that powers safer, smarter, and more sustainable communities.
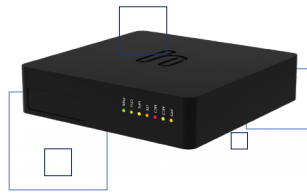
Our Vision AI Platform

1 AI-Powered Camera System

Hayden AI's platform locates illegally parked or moving vehicles with incredible accuracy, utilizing computer vision and machine learning to pinpoint the location of detected vehicles along a bus route.

2 Edge Processing

With edge processing, our AI Intelligence Engine identifies and documents potential traffic violations while the bus is moving and enhances privacy by only uploading the data necessary to issue a prosecutable violation.

3 Data Portal

Authorized agencies can review potential traffic violations on Hayden AI's data portal, which integrates seamlessly with violations processing systems to issue citations. The portal also enables easy management of traffic rules and can provide advanced aggregated data analysis and visualization to authorized agencies.

WANT TO LEARN MORE?

Contact Hayden AI at **info@hayden.ai** for additional information about how our solution can help enhance bus safety and performance for your community.

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