HaydenAI

Automated Bus Lane Enforcement
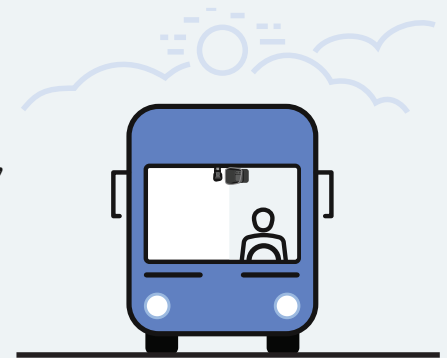
Keep bus lanes clear for buses

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

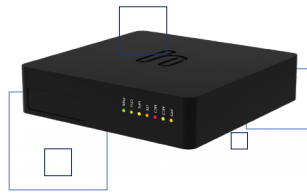We deliver leading edge technology that powers safer, smarter, and more sustainable communities.

Our Mobile Perception Platform

1 AI-Powered Camera System

Hayden AI combines computer vision with on-board cameras and embedded connectivity like 5G, to help municipalities create smarter fleets capable of protecting bus and bike lanes, keeping school zones safe, and more.

2 Edge Processing

With edge processing, Hayden AI's mobile perception platform identifies and documents potential traffic violations while the bus is moving, and then uploads only the data necessary to issue a prosecutable violation — keeping data secure and streamlining data management.

3 Data Portal

Footage, data and evidence packages are sent from cameras to Hayden AI's data portal. The portal streamlines evidence review, provides advanced data analysis and visualization, monitors your city's assets, and allows for easy management of traffic rules. All in one centralized dashboard.

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