HaydenAI

Automated Bus Stop Enforcement

Keep bus stops clear for riders

A mobile perception platform that makes boarding accessible and safe

Bus stops aren't parking spots – but many drivers treat them that way, with dire consequences for senior and disabled riders. Illegal parking at bus stops makes it impossible for the bus to pull up to the curb properly, which slows down transit and makes boarding unsafe and inaccessible to people using wheelchairs or other mobility assistive devices.

Hayden AI's Automated Bus Stop Enforcement platform uses bus-mounted, AI-powered camera systems to keep bus stops clear for buses. By enforcing bus stops at scale and in real-time, our platform helps keep transit on-time, safe, and accessible.

In 2022, Marcel Moran, PhD, published a survey of 2,964 bus stops in San Francisco in an effort to document how many had unobstructed curbs. He found:

> **Roughly one third of all stops are obstructed by on-street parking, rendering them difficult to use and exposing riders to oncoming traffic.**[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) Moran, Marcel E. "Are shelters in place? Mapping the distribution of transit amenities via a bus-stop census of San Francisco." *Journal of Public Transportation.* 2022.

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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