



An Intel  
Company

## COLLISION AVOIDANCE FOR TRANSIT BUSES

# **MOBILEYE<sup>®</sup> SHIELD+<sup>™</sup>**

- Pedestrian & Cyclist Blind Spot Detection
- Real-Time Collision Avoidance Warnings
- Actionable Data to Improve Safety





# SAVING LIVES

Mobileye Shield+ Collision Avoidance System helps avoid collisions in crowded urban environments.

The System's design addresses the large blind spots, greater turning radii and unique challenges bus drivers encounter on crowded city streets. It uses up to six strategically placed cameras to continuously analyze the driving environment and warn drivers of potential collisions in real-time.

Best of all, almost any type of existing transit bus, even an articulated bus, can be retrofitted with Shield+, giving existing vehicles an immediate safety boost. No need to wait for, or worry about, the purchase of new vehicles.

# REDUCE THE THREAT OF BLIND SPOTS WITH PEDESTRIAN DETECTION

Drivers receive real-time alerts to potential dangers.

This gives drivers the vital seconds needed to prevent or mitigate a potentially devastating collision.

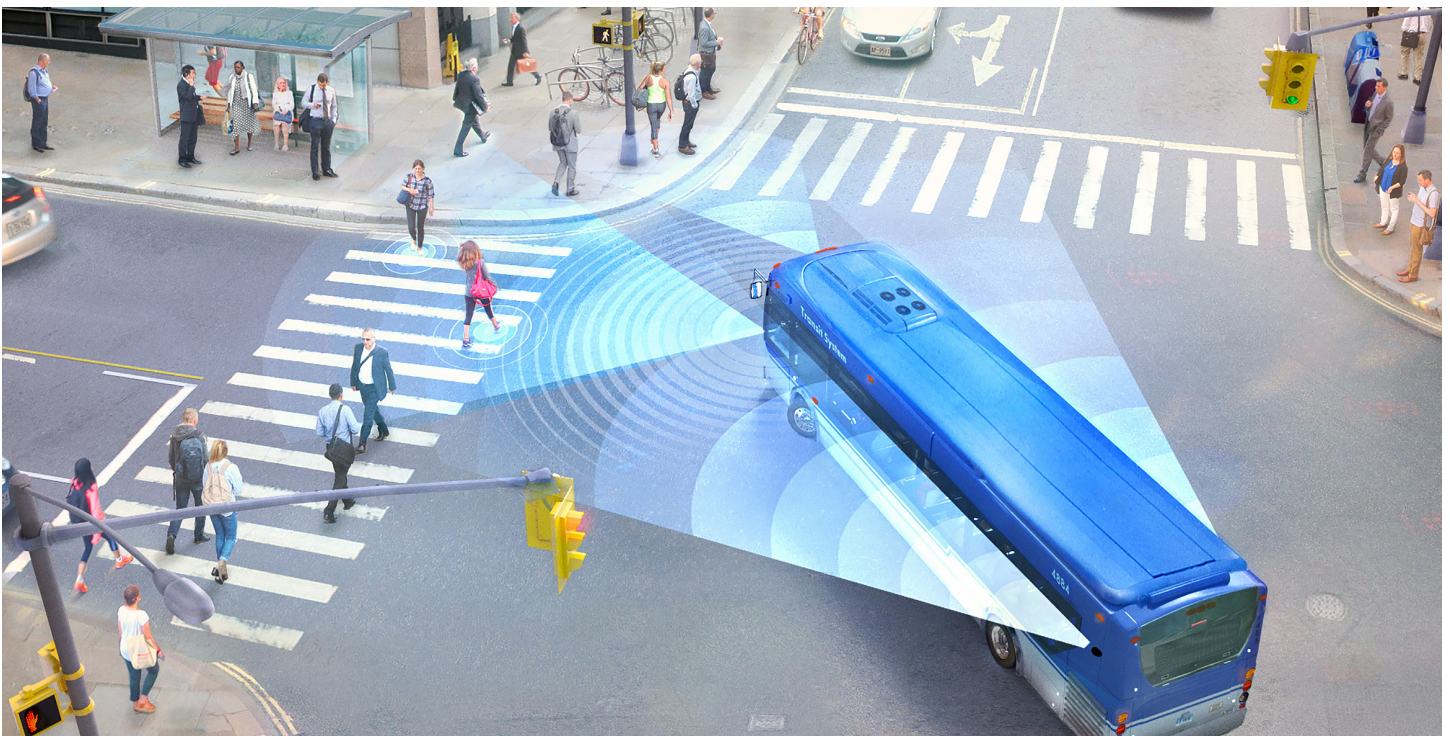
**Blind Spot Detection** uses strategically placed cameras and dynamic detection angles to continuously analyze blind spots on the sides of the vehicle and by the A-pillar.

**Visual and Audible Alerts** warn drivers of the presence of pedestrians or cyclists in blind spots. The System has two levels of alerts.

Caution – Pedestrian *near* a vehicle danger zone

Danger – Pedestrian *in* a vehicle danger zone and at immediate risk of collision

**Almost 96% Accuracy\*** bolsters driver confidence in the System.



## ONE SYSTEM, FOUR LIFE-SAVING ALERTS

The advanced technology of Shield+ powers a dynamic set of features.



Forward Collision Warning



Pedestrian & Cyclist Collision Warning



Headway Monitoring & Warning



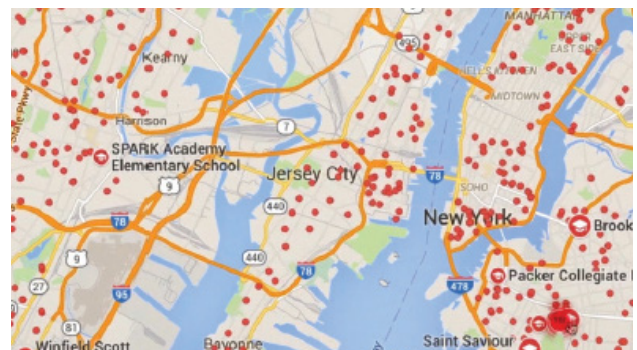
Lane Departure Warning

## NEW STANDARDS OF SAFETY

Shield+ helps transit systems reduce the number and cost of collisions.

Shield+ comes with an integrated telematics system<sup>†</sup>, allowing fleet managers to use alert data, tracked by time and location, to pinpoint Hot Spots on drivers' routes.

The cloud-based, secure system generates a number of safety reports to analyze transit routes and provide data to support evidence-based infrastructure changes and inform driver training programs.



*A study by the Washington State Transit Insurance Pool\* found that buses equipped with Shield+ experienced a 58.5% potential reduction in the value of vehicular and pedestrian claims.*

\*Washington State Transit Insurance Pool report.

<sup>†</sup>Telematics system is provided by a third party at no additional cost for the first year.

## MOBILEYE SHIELD+ SYSTEM



## ABOUT MOBILEYE

Mobileye, an Intel Company, is a global leader in the development of computer vision and machine learning, data analysis, localization, and mapping technologies for Advanced Driver Assistance Systems and autonomous driving solutions. Its technology is integrated into hundreds of new car models from the world's major automakers including BMW, Ford, General Motors, Honda, Volvo, and more. In fact, over 24 million vehicles worldwide are equipped with Mobileye technology.

Mobileye's Aftermarket Collision Avoidance System is available for existing cars, trucks, buses and RVs, so that the driver of almost any vehicle can reap the benefits of a robust safety system. The System is available with a single, forward-facing camera suitable for most vehicles, or in a multi-camera solution (Shield+™) designed specifically for large commercial vehicles with hazardous blind spots.

Fleets worldwide have experienced significant reductions in collisions and associated costs with Mobileye. We can help your fleet achieve the same.



## MOBILEYE SHIELD+ SYSTEM

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