

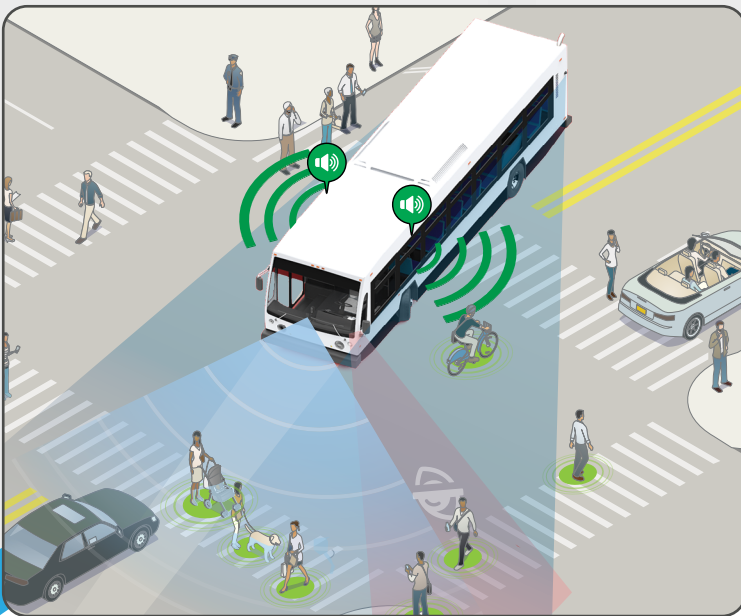
ADVANCED PEDESTRIAN ALERT SYSTEM

AN INTELLIGENT WARNING SYSTEM FOR PEDESTRIANS & VRUs

Powered By: Mobileye® Shield+™

P/N: APAS1001

The Rosco® Advanced Pedestrian Alert System™ integrates with the Mobileye® Shield+™ Collision Avoidance System to provide an external warning to Vulnerable Road Users (VRUs) in the path of a moving vehicle when there is a risk for collision. Rosco's APAS™ solves the issue of noise pollution that other exterior warning systems create with an intelligent system that will only alert when a VRU is in danger of a collision with the vehicle.

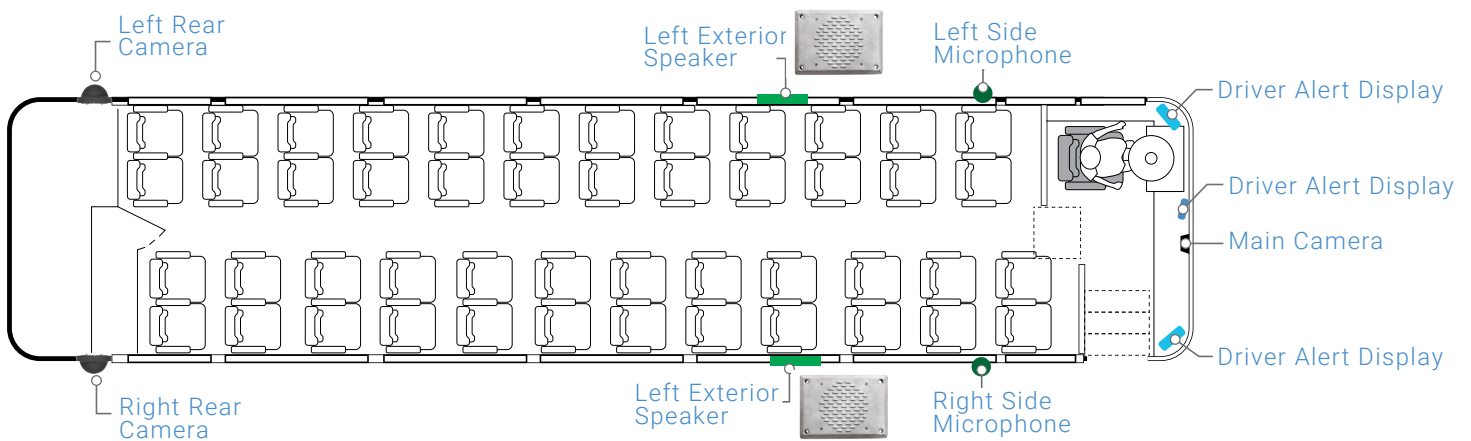


APAS™ EXTERIOR ALERT SYSTEM

SYSTEM FEATURES

- Broadcasts exterior audible alerts to pedestrians and cyclists to prevent collisions
 - Integrates to Mobileye Shield+ System
 - 2 exterior speakers: audible in loud traffic
 - Multiple levels of detection based on proximity and risk to collision
 - Produces warnings/alerts based on the following conditions:
 - VRU detection
 - Turning rate (Yaw)
 - Speed
 - Programmable alert
- Intelligent volume control w/ ambient noise detection
 - Designed to adjust output volume depending on noise in external environments
 - System will be louder in noisier environments, quieter in suburban environments
 - System volume can be manually adjusted
- Add on Feature: Broadcasts exterior visual alerts to pedestrians
 - Synchronized to audible alerts
 - Designed to alert hearing impaired or distracted pedestrians (Headphones/cellphone use, etc)
- Outputs:
 - 2 Speaker outputs to Rosco provided speakers: left & right
 - 2 additional outputs for integration into existing speaker systems

APAS™ SYSTEM LAYOUT



Left and right speakers are mounted flush on each side of the bus.
Speakers can be loudly heard up to 100 ft away, but self-regulate based on ambient noise conditions..