



Wrong Way Driving

Minimize fatal crashes by alerting drivers of a wrong way driver incident as soon as it occurs

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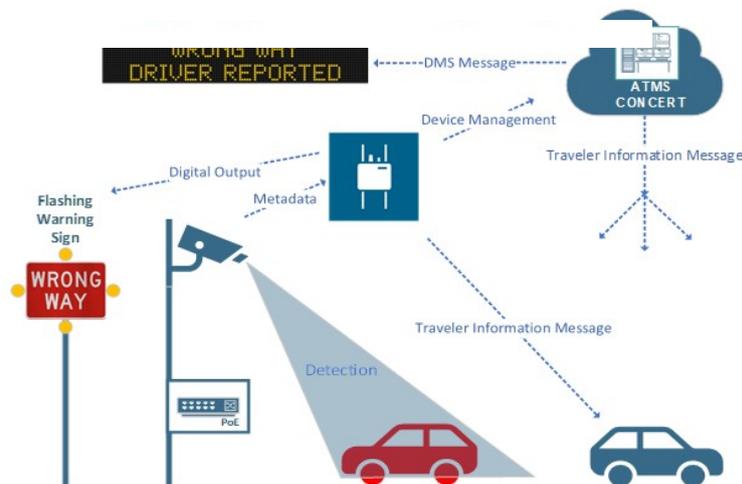
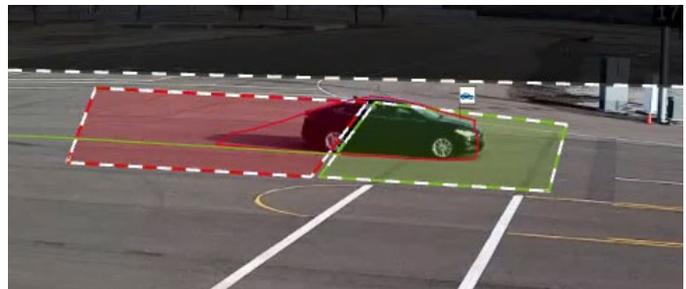
Yunex CV: Wrong Way Driving Detection

Wrong way driving crashes cause an average of 300-400 fatalities in the US alone each year according to the Federal Highway Administration. Often head-on or sideswipe crashes with a higher likelihood of serious injury, these crashes typically occur when a driver enters a high-speed roadway using an exit ramp. The Yunex CV Wrong Way Detection (WWD) Solution aims to minimize these often-fatal crashes by alerting drivers of a Wrong Way driver incident as soon as it occurs.



Integration of the Yunex WWD solution with [Bosch video-as-a-sensor solutions](#) detects a wrong way driving incident. Once detected, the camera automatically triggers the RSU to activate warning signs and flashing beacons to notify the driver. Once an RSU is connected to [Yunex ATMS Concert](#), an incident message can be created and broadcasted to dynamic message signs and connected vehicles using standard vehicle-to-everything (V2X) communication methods. Yunex ATMS Concert generates the Traveler Information Message with WWD information and automatically assigns it to all RSUs in the vicinity of the incident for broadcasting.

To trigger a wrong way driver notification, a vehicle must pass through two analytic detection points in the field of view of the Bosch camera. The detection zone is configured using the RSU browser-based user interface. When a wrong way vehicle is detected the Bosch IP camera sends metadata, which includes the event description, to the RSU which automatically identifies the wrong way event and activates a response like a Traveler Information Message warning the other drivers, flashing beacons, and message signs.



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