

IntelliConnect

WRONG WAY DRIVING



Intellconnect Edge Controller
(Software + Device)



LiDAR



Flashers



Camera



RSU



Sensor

Intelligent edge controller (IVP HUB) connects to LiDAR (and other sensors) to process road-side data in real-time to deliver enhanced traffic safety and mobility solutions.

CONNECT

Device-agnostic controller connects roadside devices like sensors, LiDARs, cameras, RSUs, and others using built-in device drivers and configurable APIs.

PROCESS

The intelligent edge controller with AI/ML capabilities collects, filters, normalizes, and fuses data from multiple sources; converts the data into J2735 and standard format; and runs traffic safety applications.

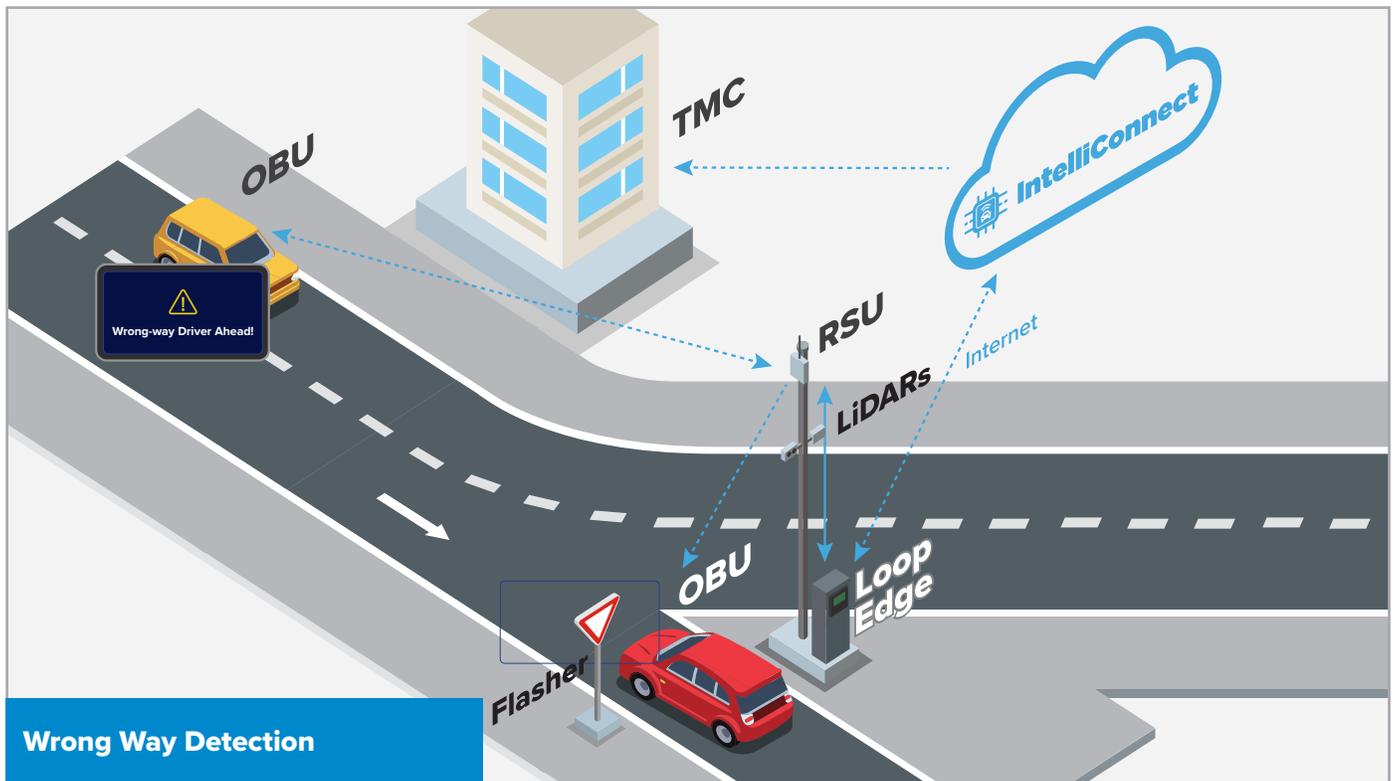
COMMUNICATE

Powerful edge controller processes traffic applications in real-time and sends messages/alerts to existing devices and applications like dynamic message signs, ATMS, TMC support staff, HAR, flashers, 511, connected vehicles (C-V2X / DSRC), and non-connected vehicles via CarPlay.

REAL-TIME TRAFFIC SAFETY AND MOBILITY SOLUTIONS

- ▶ Queue/Congestion Detection and Warning
- ▶ Wrong-way vehicle detection and warning
- ▶ Dynamic Roadway Warning
- ▶ Speed warning and Enforcement
- ▶ Road Weather Motorist Alert and Warning
- ▶ Work Zone Management
- ▶ Dynamic Route Guidance
- ▶ Pedestrian and Cyclist detection and warning
- ▶ Red Light violation Warning
- ▶ Intersection Warning and Collision Avoidance

- ▶ Scalable, secure, and reliable
- ▶ Seamless connectivity to roadside devices
- ▶ Process, filter, fuse, and analyze data at the edge
- ▶ Real-time alerts to TMC/ATMS, DMS, connected vehicles, mobile devices, traffic support personnel, and others
- ▶ Real-time incident detection using out-of-the-box and customizable safety and mobility applications
- ▶ Centralized management, configuration, and roadway analytics for all edge devices
- ▶ Connects to IntelliConnect Cloud to provide end-to-end ITS solutions



Vision Zero

Accelerating progress to vision zero through connected and managed roadways

Price for GDOT

Stand-Alone Solutions		Unit Cost
Wrong-Way Driving	LiDAR unit, Component, and mounting	\$10,000.00
	IntelliConnect Edge Controller - LiDAR Analytics Software and GPU based Hardware (supports 2 LiDARs), application software and/or hardware	\$22,000.00
	Total	\$32,000.00
Other Devices	Flashers/signs (depending on requirement)	\$1K to \$5K
	Camera is optional based on requirement	
Configuration	One-time	\$7,500.00
<p>Note:</p> <ol style="list-style-type: none"> 1. LiDAR/hardware/software unit quantity will change based on requirement and scope 2. Software changes to accommodate scope will be done through Software Support Services 3. Field installation of the equipment will be done by GDOT 4. System can be connected to a central system. Central system charges are not included 		