



# Vantage PedSafe™

Enhancing Safety, One Step at a Time



Protect pedestrians and promote equity in all environments and lighting conditions



Power real-time safety applications that reduce crashes



Secure more safety funding to drive towards Vision Zero

Vantage PedSafe™ is an advanced pedestrian detection system designed to enhance safety for vulnerable road users (VRUs) in all conditions – from perfect visibility to total darkness. Utilizing proven cutting-edge 60 GHz millimeter-wave radar technology, Vantage PedSafe ensures high-accuracy detection in all weather and lighting conditions, significantly reducing pedestrian-vehicle conflicts.

This turnkey solution not only includes advanced detection sensors but also integrates analytics, safety applications, and additional safety equipment to provide a complete safety system.

## Key Features

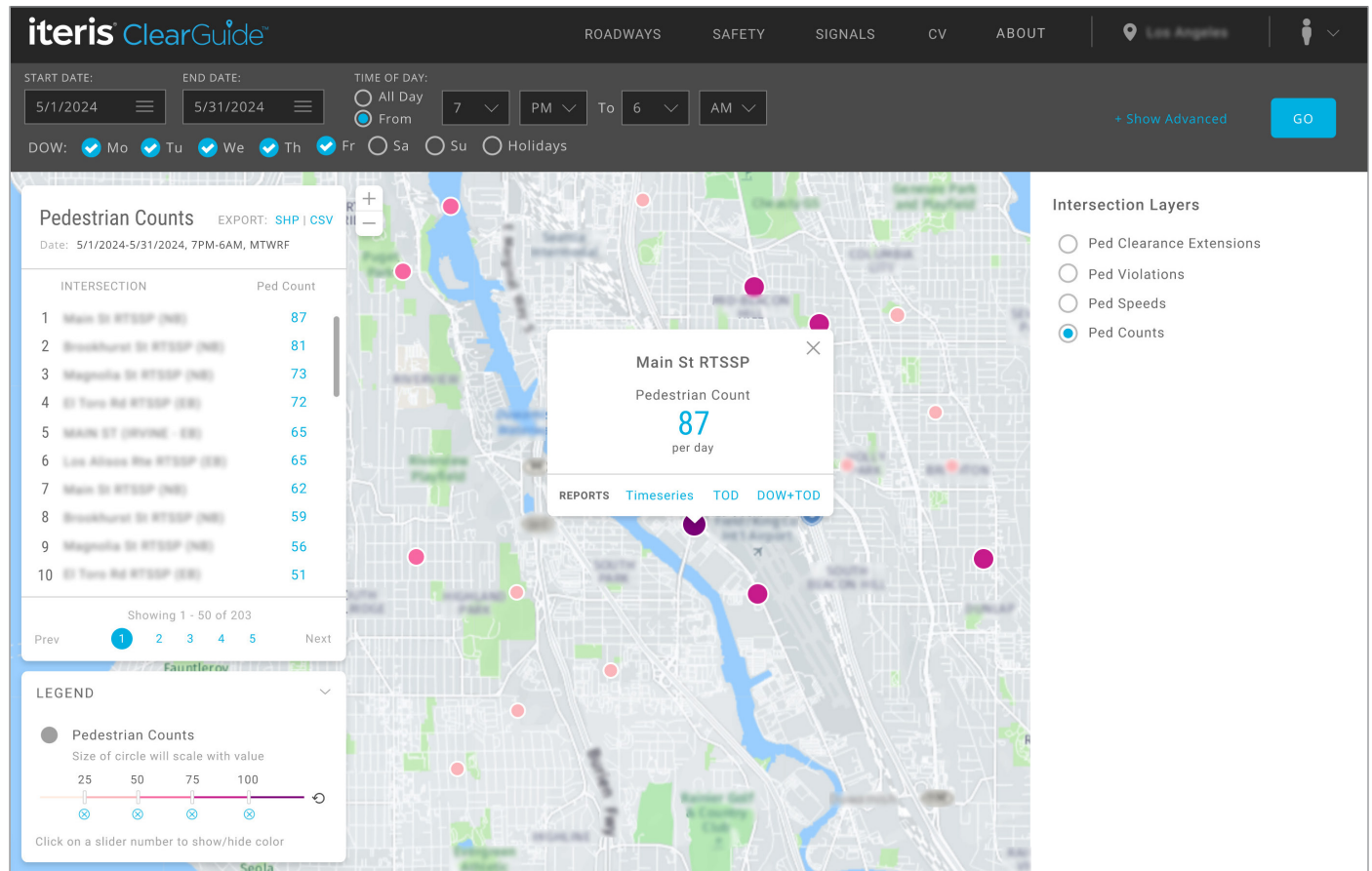
- **All-Weather Detection:** Effective in sunshine, rain, day and night, providing continuous safety coverage.
- **High Accuracy:** Proprietary algorithms track and detect pedestrians, even those obscured by other vehicles.
- **Wide Coverage Area:** Covers a large detection area, suitable for various intersection and midblock sizes and configurations.
- **Quick Deployment:** Easy installation and configuration for rapid implementation.
- **Real-time Analytics:** Intuitive ClearGuide® software provides real-time data on pedestrian activity, to identify unsafe areas for targeted safety measures.





## Advanced Pedestrian Analytics

Visualize pedestrian data from Vantage PedSafe in ClearGuide Signals, our powerful transportation analytics software, to enhance pedestrian safety management. ClearGuide combines the pedestrian sensor data, signal data and probe data to derive actionable insights, identify areas needing safety countermeasures, measure effectiveness, and determine the most appropriate interventions.



*ClearGuide® Signals provides real-time pedestrian data*

## Driving Equity in Transportation and Vision Zero

Pedestrian fatalities in the U.S. are nearly double in lower-income areas compared to other regions.

Vantage PedSafe enables agencies to address this issue with targeted safety solutions for vulnerable road users (VRUs), ensuring that every community benefits from improved safety measures.

Aligned with Vision Zero, Vantage PedSafe aims to eliminate traffic fatalities and serious injuries, creating safer environments for all. Its robust detection capabilities help agencies secure safety-related grants by aligning with grant objectives and demonstrating proven effectiveness, making it essential for improving pedestrian safety and addressing equity issues in underserved communities.

# Did You Know ...

**7,508**

pedestrians were struck and killed in the U.S. in 2022

Pedestrian deaths are at the highest in **40 YEARS**



**Over 100 students die**

and nearly 25,000 are injured each year walking to and from school

**76% of pedestrians**

killed in collisions occurred **during dark conditions** in 2021

Pedestrian fatalities in the U.S. are **nearly double in lower-income areas**

## Specifications

### Radar

Frequency	60 Ghz
Detection Area	180' x 100'
Tracked Objects	40 Max
Weight	5.5 lbs
	180'x100'

### PCU

Connections	HMDI
	RJ-45
	EM Bus
Communications	Ethernet
	USB Type A (x2)
	Wi-Fi
	SDLC communications

### 19" Rack Mount

Power	110/220 VAC
Dimensions	19" L x 8.75" D x 1.75" H (483 mm L x 222 mm D x 45 mm H)
Weight	3.9 lbs (1.77 kgs)
Configurations	Up to 4 sensors

### NEMA Shelf Mount

Power	48VDC @ 120W
External Power Supply	110/220 VAC
Dimensions	4" L x 10.5" D x 10.5" H (102 mm L x 267 mm D x 267 mm H)
Weight	6 lbs (2.72 kgs)
Configurations	Up to 4 sensors

### General

Temperature	-35oF to +165oF (-34oC to +74oC)
Electrical	48VDC 7W (Typical) 10W (Max)
Physical	13" x 7" x 6.5" Excluding Mounting Bracket
Humidity	0% to 95% non-condensing
Vibration	0.5G, 3 axes, 5-30Hz
Shock	10G in all 3 axes
Ingress Protection	IP 67
Regulatory	NEMA TS-2 FCC Part 15, Class A
Warranty	3 Years limited warranty

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