

SmartSensor Matrix

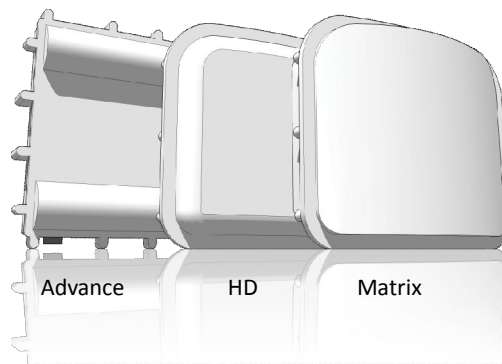
Coming to an Intersection Near You



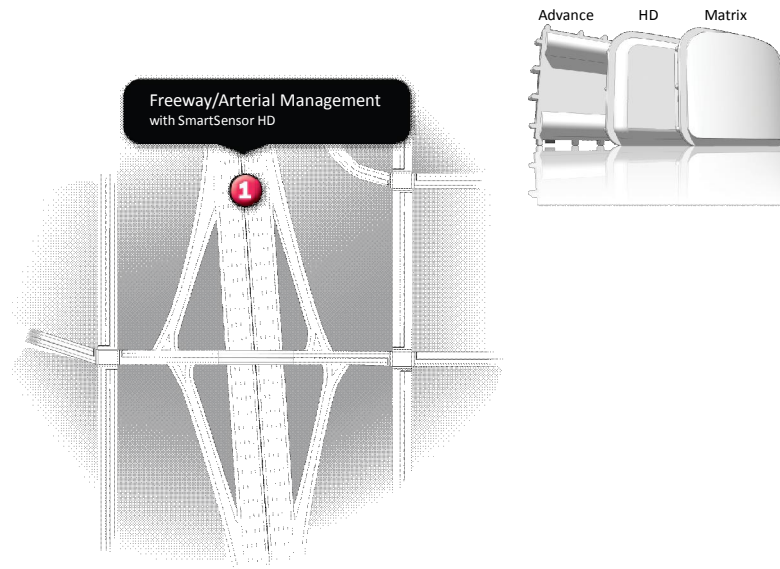
Ian Lee



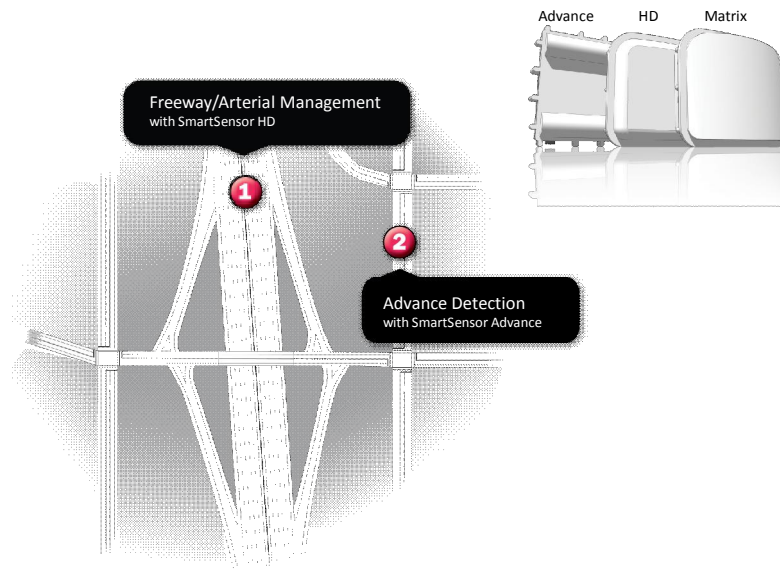
SmartSensor Family



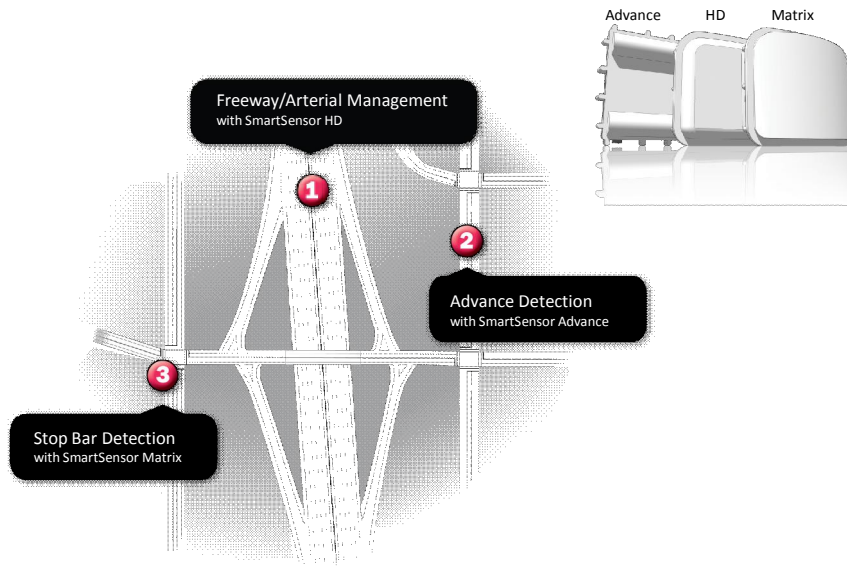
SmartSensor Applications



SmartSensor Applications



SmartSensor Applications



Freeway Management



Freeway Management



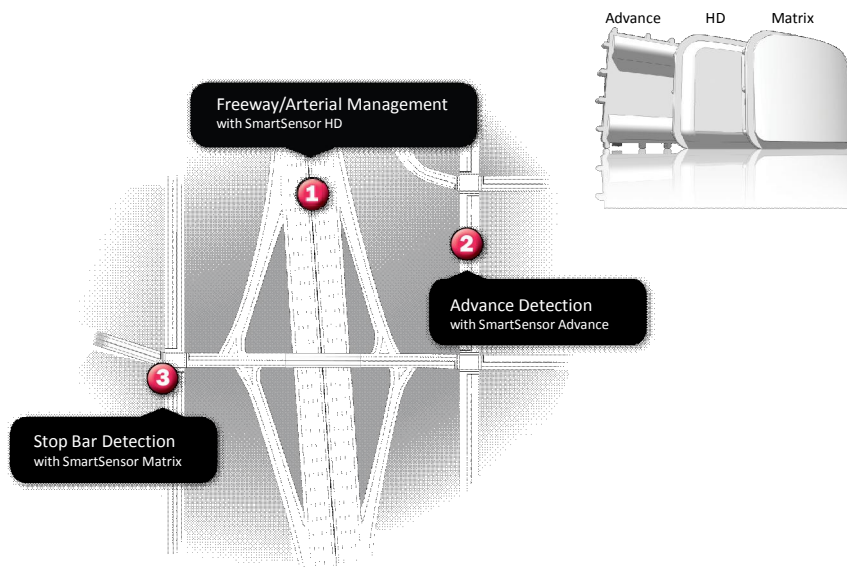
Arterial Management



Arterial Management



SmartSensor Applications



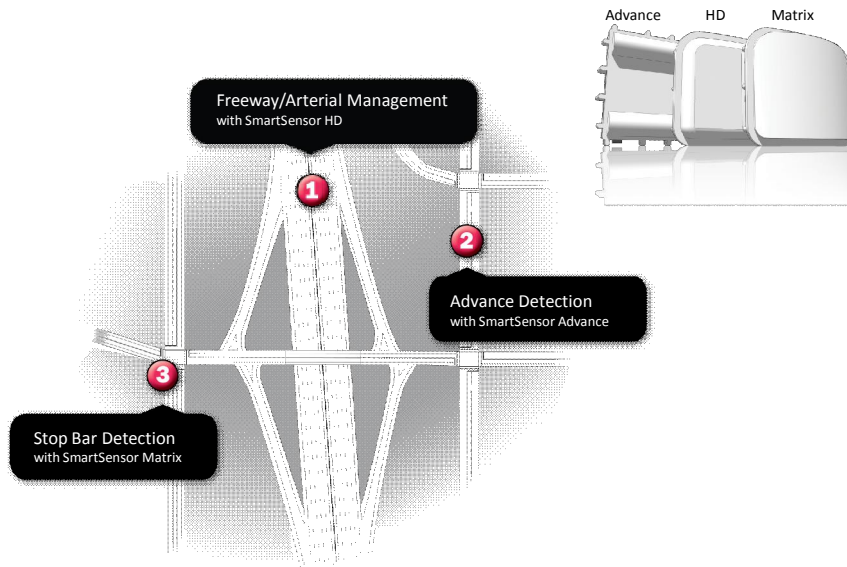
Advance Detection



Advance Detection



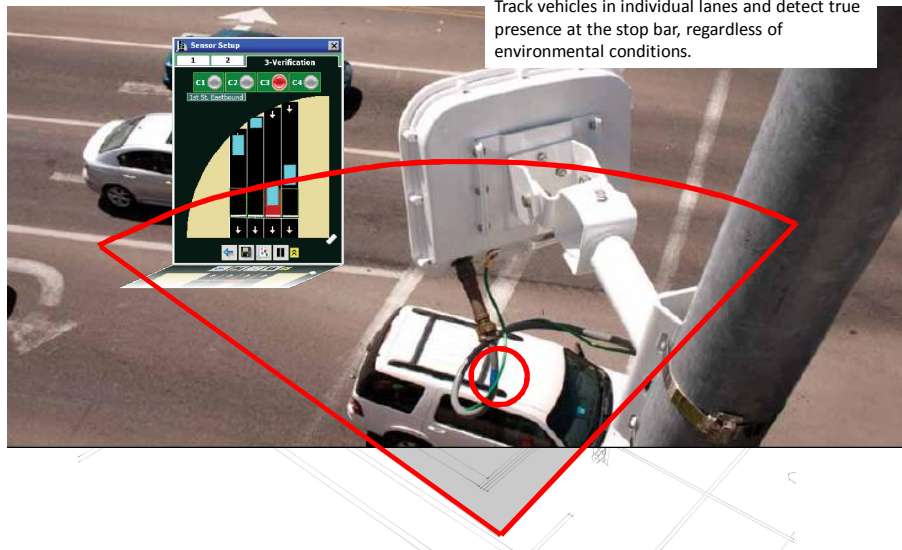
SmartSensor Applications



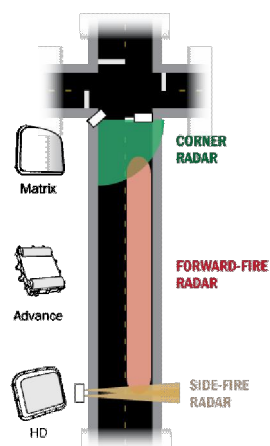
Stop Bar Detection



Stop Bar Detection



Complete Coverage



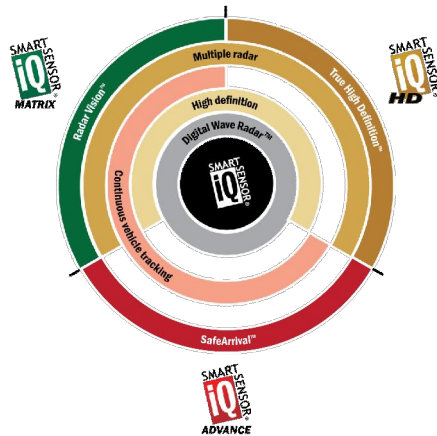
SmartSensor Matrix provides reliable, all-weather, presence detection at the stop bar.

SmartSensor Advance provides safe and efficient dilemma zone protection

SmartSensor HD provides accurate speed, occupancy and count information for mid-block detection

SmartSensor Core Technologies

SmartSensor Products are build on the same tested and proven technologies.



True High Definition

SmartSensor HD has five times greater resolution of previous radar traffic detectors

SafeArrival

SmartSensor Advance monitors estimated time of arrival at the stop bar for improved intersection safety

Radar Vision

SmartSensor Matrix creates a high-contrast, two-dimensional radar image to track and detect vehicles



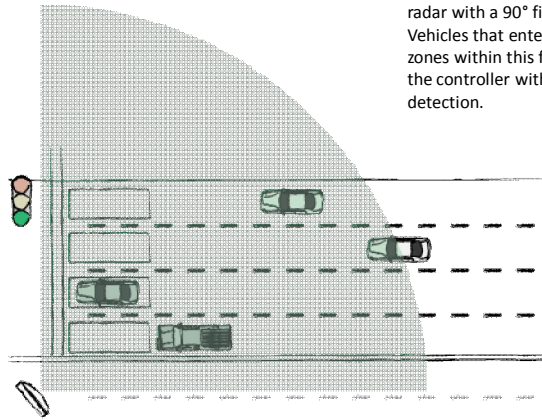
SmartSensor Matrix

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Reliable Presence Detection

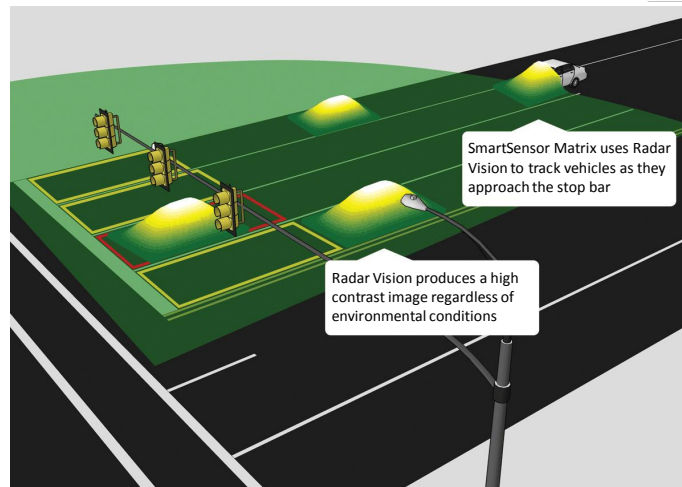


SmartSensor Matrix is a corner radar with a 90° field of view. Vehicles that enter the user-defined zones within this field of view alert the controller with a presence detection.



SmartSensor Matrix

Radar Vision



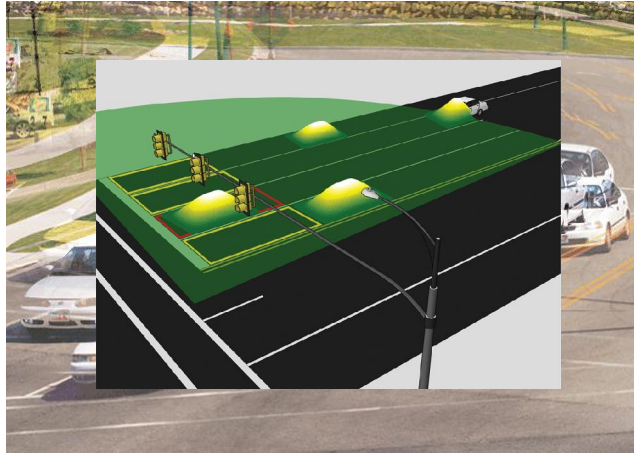
SmartSensor Matrix

Radar Vision

Optimal

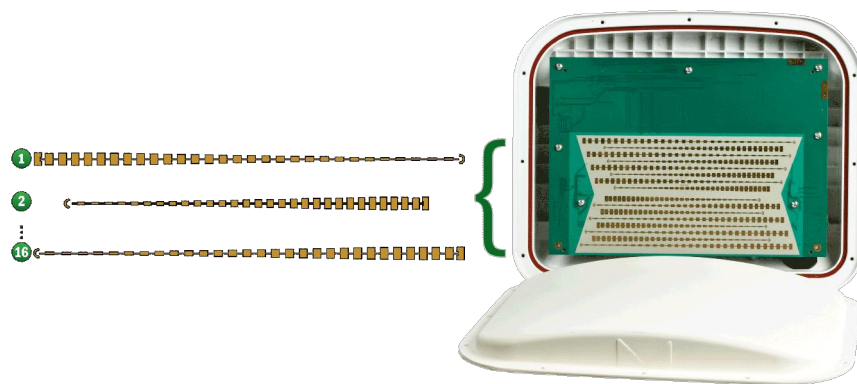
Glare

Night



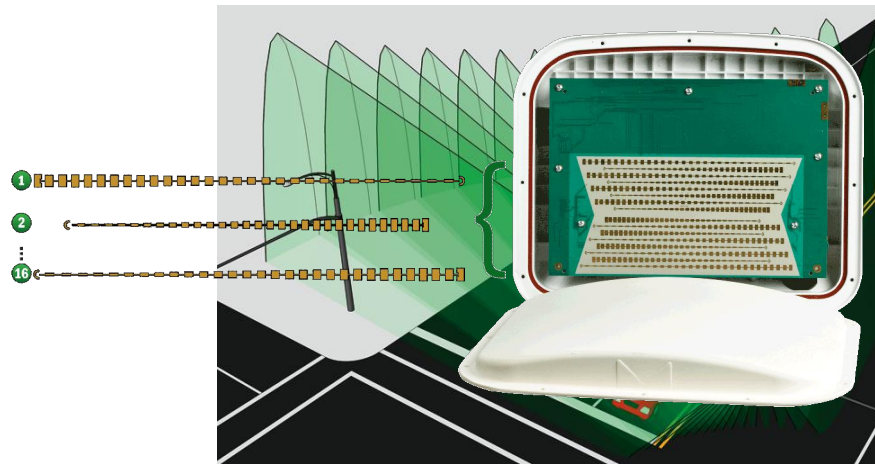
SmartSensor Matrix

Matrix of Radars



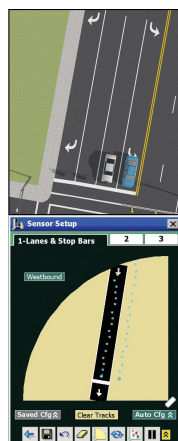
SmartSensor Matrix

Matrix of Radars



SmartSensor Matrix

Configuration Display



Free-moving, single-point vehicle representations pin point reference locations

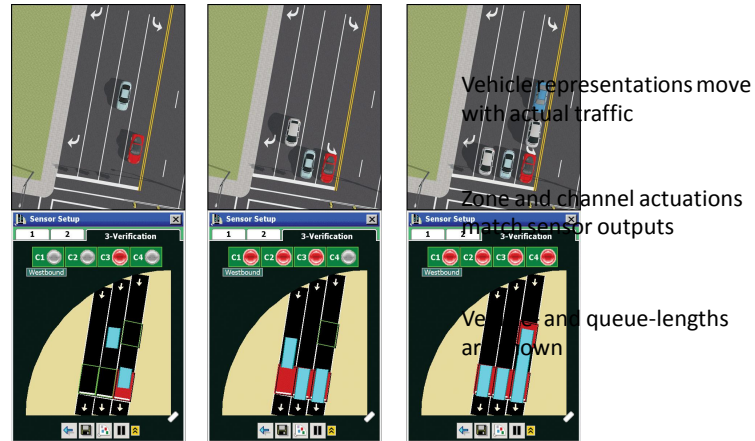
Vehicle 'tracks' simplify lane placement

Simple Configuration
• Auto configuration
• Real-time Visualization

Drag functionality

SmartSensor Matrix

Detection Display

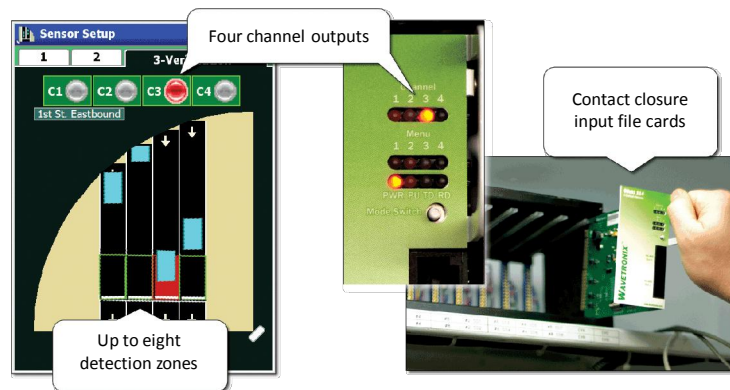


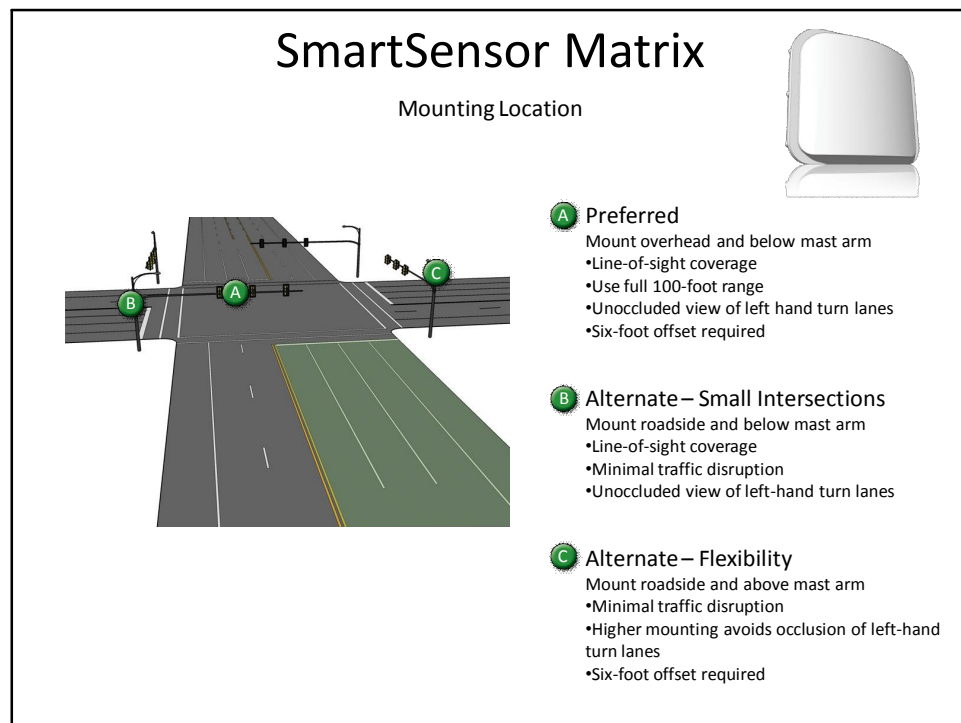
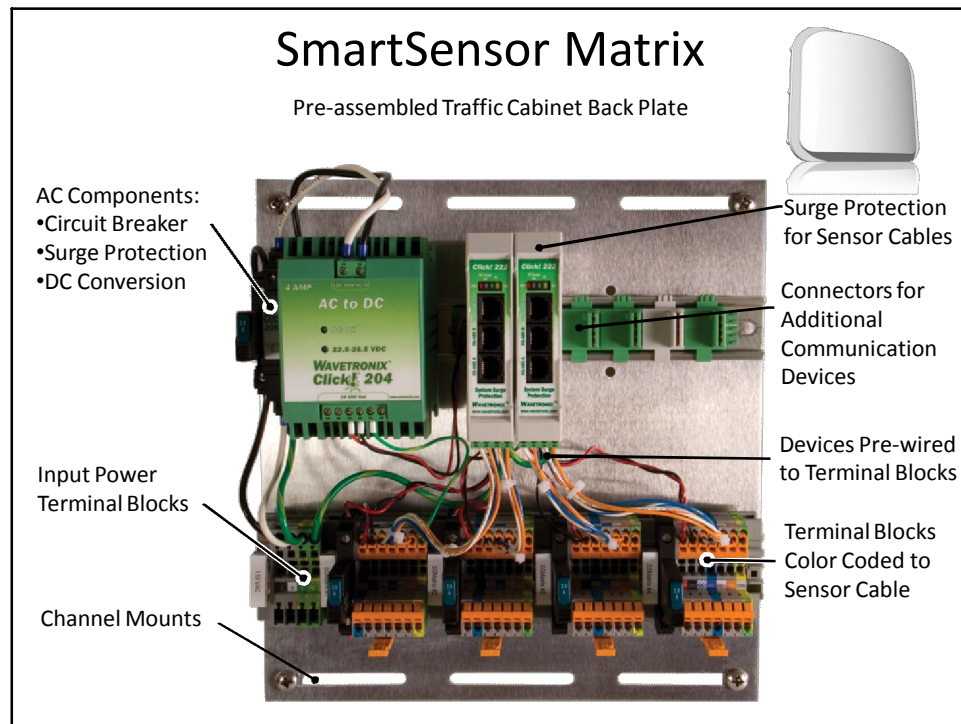
SmartSensor Matrix

Controller Integration



SmartSensor Matrix provides a standard interface to traffic signal controllers.





SmartSensor Matrix

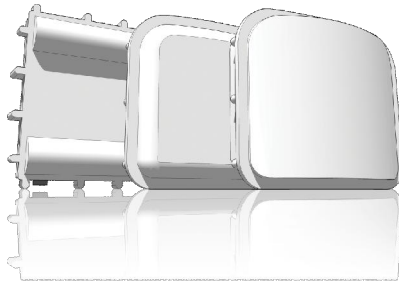


SmartSensor Matrix	
View: 90°	Lane Discrimination
Range: 100 ft	True Presence
Visualization: Two-Dimensional Image	All Weather
Max Zones: 8	All Lighting Conditions
Max Contact Closure Outputs: 4	Simple Configuration



Contact Twincrest Technologies to arrange a roadside demonstration

Thank You



Questions?

