



SmartCycle®

All the power of Vantage video detection for bicycle differentiation



Allows time for cyclists to safely cross the intersection



Greatly improve traffic flow by reclaiming unused cycle time when no bicycles are present



Automated bicycle counts

Superior performance in a demanding situation

Cyclists are becoming more prevalent across the country and extra phase time is needed to allow them to safely cross the intersection. When no bicyclists are present the additional cycle time is wasted reducing efficiency of the traffic network. Reclaiming this unused time can greatly improve traffic flow while still ensuring the safety of the cycling public.

No need for additional equipment

The SmartCycle solution requires no additional detection systems or manual call buttons placed at the signal.

SmartCycle combines video vehicle detection and bicycle differentiation in one. Multiple outputs allow precision cycle timing depending on whether a bicycle is present or not.

Simple to install and set up

SmartCycle patented technology is embedded in all new Vantage® video detection systems, and is a simple upgrade to existing systems in the field. Additional zones can then be drawn to separate bicycle detections from vehicle detections. Existing Vantage users as well as those new to the technology will be up and running quickly.

More Benefits

- Detects and differentiates bicycles in unique situations: bike boxes, lane splitting, innovative configurations
- Reclaim unused cycle time when no bicycles are present
- Works with existing Vantage installations, no additional equipment required
- Non-intrusive sensor system for lower installation and life-cycle cost
- Simple, flexible setup and activation
- Accurately handles multiple approaching bicycles
- Field proven detection performance from the industry leader

Works with all Iteris video detection systems including:

VantageNext®

Edge®2

SmartSpan®

Vantage Vector®

VersiCam™



Bicycle zones are placed in bike lanes (left) as well as in vehicle lanes, including the left turn lane (right). Bicycles are detected and uniquely identified as “Bike” while regular motor vehicles are detected normally.



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