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TAKE YOUR INFRASTRUCTURE THE RIGHT WAY

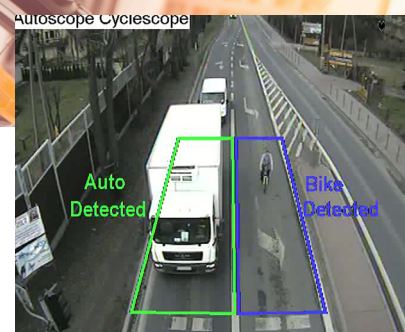
Autoscope Cyclescope

The Autoscope Cyclescope™ feature takes bicycle detection to the next level. Cyclescope enhances bicycle detection capability and adds the ability to differentiate between bicycles and vehicles as they approach the junction.

A significant advantage to Cyclescope is that it doesn't require additional roadway markings, product purchases or equipment installations or maintenance. It can detect and differentiate bicycles made of any material on any approaching lane at no additional cost.

The combination of Autoscope bicycle detection capabilities and the Autoscope Cyclescope feature allow traffic engineers to offer bicycle timings in their traffic control strategy with minimal changes to the junction control configuration, with no changes to the cabinet wiring, and with little or no changes to the controller.

Cyclescope helps transportation agencies provide safety for bicyclist by making timely precision decisions at the junction.



KEY BENEFITS

- Provides bicycle detection on all detectors, differentiation on all approaching lanes, at any point in the field of view
- Requires no additional equipment, installation, or maintenance costs
- Differentiates between motorized vehicles and bicycles of any material type
- Demonstrates success of bicycle friendly programs through enhanced traffic data collection

Autoscope Cyclescope

SPECIFICATION

Cyclescope Bicycle Differentiation

The Autoscope Cyclescope feature provides bicycle differentiation, meaning that as a tracked object approaches the junction, the Autoscope determines whether or not the object is a bicycle.

Cyclescope is available in many Autoscope technology products including Autoscope Pn-520 and Autoscope Pn-500 detector cards and can be easily implemented into your current installations.

Cyclescope is quick and easy to implement in any cabinet with any traffic controller, and greatly simplifies the setup of bicycle detection.

Bicycle Phase Timings

The safest and most efficient option is to provide a unique bicycle timing that allows cyclists an appropriate amount of time to cross the junction safely—either timed in the Autoscope or timed in the controller. Autoscope can provide the Bike Min Green timing, or it can support a controller's bicycle detector input. The goal is to use time most efficiently for junction control and to allow the bike to pass safely through the junction.

Data Collection

With the Autoscope's capability to count and collect traffic data, an agency can measure how often bicycles actuate each junction. Agency's can configure the data collection to help them demonstrate the success of their bicycle-friendly programs.

Products available with Cyclescope

Autoscope Pn-520



Autoscope Pn-500



SET-UP AND OPERATION

The Autoscope Cyclescope is easy to install, set up, and operate to meet your bicycle detection and differentiation requirements.

Adding Cyclescope Bicycle Differentiation to existing Autoscope stop line detectors or Autoscope presence detectors is quick and easy. The "Bicycle Differentiation" parameter gives these detectors two possible outputs. No additional detectors are necessary—just use the existing vehicle detectors to achieve bicycle detection in all approaching lanes.

There are two output options for handling the bicycle detection information:

- Add the bicycle detection to the existing output to the controller—doubling the detection ability with both bicycle presence and bicycle differentiation to the existing vehicle detection. Autoscope can provide additional extension timing as needed.
- Provide a separate bicycle output to the controller and handle bicycle timing there.

As with all Autoscope functions, calibration, aim, and proper deployment of the sunshield are vital to optimal performance of Bicycle differentiation.



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Due to ISS' continuous efforts to develop the products that are most responsive to our customers needs, the above specifications are subject to change. To verify the current information, please visit the Image Sensing Systems website.

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