

Autoscope RackVision 1 and 2



Quality sources of video signal include the Autoscope Image Sensor or existing CCTV cameras that meet minimum performance standards.

About RVP1 & RVP2

The need for a simple, reliable and cost-effective dynamic video-based detection solution at vulnerable intersections and along congested roadways is becoming more important in maintaining mobility and safety. As a result, agencies are leveraging the benefits of the video processing and broadband communications capabilities of video detection, including Autoscope – a critical first step in implementing an Intelligent Transportation System (ITS) program.

The Autoscope RackVision Pro Series solutions, including RVP1 and 2 are Machine Vision Processors (MVP) designed to meet intersection detection objectives of vehicle detection and signal actuation in a typical traffic cabinet. This cost-effective detection solution utilizes the same algorithms that have established Autoscope video detection as the global leader for wide-area video vehicle detection.

At A Glance

- Provides basic video vehicle detection for intersection stop-line and advance extension applications
- Bicycle detection
- Installs in a standard detector rack or self-contained shelf-mount unit
- Software installation by USB flash drive
- Comprehensive traffic data collection
- Self-test on power-up

Benefits

- No laptop required
- Reliable performance
- Interchangeability with existing solutions
- Compatibility with standard loop detector racks
- Low power consumption
- Minimal maintenance
- Cost-effective solution for traffic detection
- Easy to install and configure
- Field-proven *Autoscope* accuracy and reliability
- Built on proven *Autoscope Terra*™ Technology
- Connects to existing *Autoscope AIS* or other CCTV cameras
- Compatible with color or monochrome cameras
- Native language graphical user interface support

Applications

- Fully actuated intersection detection
- Semi-actuated intersection detection
- Temporary construction and work zone safety
- Traffic studies
- Bicycle detection

Set-Up & Operation

The *RVP1* and *RVP2* detector cards are easy to install/configure and adaptable to meet an agency's detection requirements. *Autoscope* Mouse & Monitor functionality quickly sets up intersection detection applications without the use of a laptop.

Simple Mouse & Monitor setup enables stop lines and advance extension detection zones to be drawn as needed. Users can also easily assign detector outputs to interface with NEMA TS1/TS2, Type 170/179 and 2070 ATC controllers.

With mouse and keyboard operations, users can backup work, troubleshoot with the operations log, and modify the detection layout with the configuration Wizard™ or other tools in the *Autoscope* Toolbox. The optional *Autoscope Access Point (TAP)* or *RackVision Terra MVP* can also assign additional detector outputs.

Basic Specifications

- Temperature
 - -29°F to +165°F/-34°C to +74°C
- Power
 - 12 or 24-VDC 11 Watts maximum
- Dimensions
 - 4.5 in. (H) x 2.3 in. (W) x 7 in. (D) (11.4cm x 5.7 cm x 17.8 cm) plus handle
 - 0.5 lb (0.2 kg)

