

# Sensors for Traffic Detection

## Autoscope® *RackVision™ Pro 1 & 2*

RVP1 & RVP2 our cost-effective vehicle detection solutions are designed to address agency needs for intersection control to advance detection. Autoscope sensors, as well as existing CCTV or other video detection cameras, provide the needed video signal. In addition to detecting vehicles, the RVP2 detects bicycles in all lanes of travel.

The Autoscope® RackVision™ Pro Series solutions, including RVP1 & 2 are 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.

As more Intelligent Transportation System programs come online, the Autoscope RVP series offers one of the largest gains in efficiency for any ITS program. This helps ensure that the ITS promise of reduced congestion, shorter commute times, and increased safety are realized for the driving public.

### Key Features

- 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

## 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)

## 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.

