● ECONOLITE

Sensors for Traffic Detection

Autoscope® RackVision Pro 1 & 2

What, exactly, is the RackVision Pro 1 & 2 (RVP)?

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.

Why do agencies use the RVP 1 & 2?

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.

How does the RVP 1 & 2 benefit the driving public?

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.

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.

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)*

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