

Product Evaluation

RE: Review of Autoscope RVP2 Video Vehicle Detection System

PRODUCT

Autoscope RVP2 Video Vehicle Detection System is manufactured by Econolite Incorporated located in Anaheim, California and distributed by Econolite Canada Incorporated located in Calgary, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

Autoscope RVP2 Video Vehicle Detection System is a dual channel machine vision processor designed to meet intersection detection objectives of vehicle detection and signal actuation in a typical traffic cabinet. Econolite is a leading transportation solution provider and manufacturer of advanced traffic controllers.

Web link for this product: <http://www.econolite.com/index.php/products/detection/>

DESCRIPTION

The Autoscope RVP2 Video Vehicle Detection System is a low cost coaxial camera installation with module in traffic cabinet. The Autoscope RVP2 fits into a detector rack or self-mount enclosure. Sources of video signal that integrate with Autoscope RVP2 include the Autoscope Image Sensor (AIS) or existing CCTV cameras that meet minimum performance standards. Multi-threaded software processes video images in real-time to detect traffic

POTENTIAL USAGE

The Autoscope RVP2 Video Vehicle Detection System is ideal for vehicle detection, data collection and incident detection for intersections, highways, bridges and tunnels. RVP2 detector cards are easy to install/configure and adaptable to meet an agency's detection requirements.

STANDARDS

NEMA – National Electrical Manufacturers Association

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has limited experience with video detection.

APPLICABLE STANDARDS

At present Alberta Transportation has no standard.

RECOMMENDATIONS:

Autoscope RVP2 Video Vehicle Detection System be listed as a Trial Product under Alberta Transportation Products List, Traffic Control Devices – Traffic Detection – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

Caveat: “This product is not for use as permanent traffic detection for new construction. This product is better used for temporary detection for loop failures, for temporary vehicle detection during construction or for single lane detection such as a newly added left turn lane. This advice still requires the consultant to review the camera specifications to determine the best product for the given situation. “

TRIAL PROJECTS

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