

Introducing Autoscope® OptiVu Video Detection Solution



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5 Min Read

- Most advanced detection algorithms powered by Artificial Intelligence (AI)
- Designed to support real-time data-driven predictive and Smart City applications
- Provides situational awareness for dynamic multimodal operations

Anaheim, CA, March 19, 2025—Econolite, part of Umovity and the leader in One-Stop-Shop traffic management solutions, today introduced Autoscope® OptiVu, the latest addition to its Autoscope line of High-Definition (HD) video detection solutions. OptiVu incorporates the latest and most advanced detection algorithms powered by Artificial Intelligence (AI) and machine learning to support current and future traffic management operations and Intelligent Transportation System (ITS) applications.

“Autoscope OptiVu is designed to provide superior detection capabilities and gather real-time traffic data in support of emerging predictive and Smart City applications,” said Sunny Chakravarty, Econolite’s Vice President of Engineering. “By leveraging advanced detection AI algorithms and deep machine learning to perform image classification and detection of objects and to track those objects through time, OptiVu delivers the critical situational awareness and resolution needed for current and future dynamic multimodal network operations.”

Building upon nearly four decades of proven above-ground detection experience, Autoscope OptiVu provides the highest levels of HD video detection and real-time traffic data collection. Its flexible and robust single-point edge processing enables high levels of performance and ease of integration into future connectivity and ITS upgrades, including predictive safe system applications and programs. The new Power Over Ethernet (PoE) HD camera and video processor provide highly accurate real-time vehicle, pedestrian, and bicycle detection, as well as classification, full-screen object tracking, and counts. To learn more about Autoscope OptiVu, visit: <https://www.econolite.com/solutions/traffic-sensors/autoscope-optivu/>

Autoscope OptiVu is the latest addition to Econolite’s industry-leading portfolio of intelligent, highly accurate, and multi-tasking detection sensor solutions, which includes Autoscope Vision and EVO RADAR[®] above-ground sensors. With the most comprehensive suite of detection sensors available, Econolite can work independently and collaboratively with other vendors to enhance data-driven ITS predictive efficiency and power safety applications. As with Econolite’s other sensors, OptiVu integrates seamlessly with Centrac[®] +Detect for advanced, cloud-based data reporting, analytics, and monitoring capabilities. To learn more about Econolite’s suite of sensor solutions, visit <https://www.econolite.com/solutions/traffic-sensors/>

About Econolite – part of Umovity

Econolite is the North American market leader in intelligent traffic management solutions with over 92 years of experience. Econolite has provided more than 160,000 detection sensors deployed at over 60,000 intersections. Its leading traffic management software has been installed by more than 500 agencies across North America. Econolite prides itself on being the leading One-Stop-Shop provider of traffic management solutions, including Cabinets, Controllers, Software, Sensors, and Professional Services. With nearly 800 employees primarily in North America, Econolite drives innovation in traffic management and safety solutions, including connected and automated vehicles research and development. In June 2022, Bridgepoint acquired a majority stake in Econolite, and together with PTV Group, a dynamic partnership was formed. Since 2023, Econolite and PTV Group are united under the brand Umovity. For more information, visit www.econolite.com.

Econolite’s core intelligent traffic solutions:

[Cabinets](#) | [Controllers](#) | [Software](#) | [Sensors](#) | [Professional Services](#)