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Autoscope® VISION

High-Definition (HD) Sensor Solution for Superior Video Detection

As the complexities of traffic management increases, Intelligent Transportation System (ITS) strategies are putting more value on the multitasking capabilities of intelligent detection sensors. These sensors must accurately detect traffic at the stop bar to trigger a signal change, and they must also count, classify, track, and provide advanced detection for traffic adaptive systems and dilemma zone safety applications. Today's multimodal intersections and roadways require leading-edge detection sensors to provide capabilities such as bicycle and pedestrian detection and differentiation.

Econolite's Autoscope® Vision is an integrated HD camera-processor sensor solution that delivers the highest levels of accuracy and performance for stop bar vehicle detection, pedestrian detection, bicycle detection and differentiation, advance vehicle detection, traffic data collection, and HD video surveillance. It also supports local Wi-Fi and streaming video to mobile computing devices.

Key features

- Highest levels of performance and accuracy for modern ITS applications
- HD camera for streaming superior quality video
- Built-in local Wi-Fi for quick and simple set up
- Program an entire intersection in just minutes
- Easy to install with only three wires
- Compatible with all types of traffic cabinets
- IP67-rated camera enclosure for outdoor environments
- Cloud-based data analytics with Centracs® +Detect

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Autoscope Vision: Applications

Autoscope Vision's built-in local Wi-Fi provides quick and simple setup. Using the Supervisor software, an entire intersection can be programmed in just minutes. In addition, installation and integration are further simplified requiring only three wires. The system uses state-of-the-art algorithms and an HD video sensor, delivering full ITS capabilities for traffic engineers to use in strategically managing their traffic infrastructure, vehicle emissions, mitigate traffic congestion, and improve overall safety.

- Stop-bar through and left turn
- Bicycle detection
- Pedestrian detection
- Pedestrian cross-walk
- Advance detection up to 600 feet (185 m)
- Left-turn advance
- Departure

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Detection system data analytics and reporting

Enhance your Autoscope Vision video detection system with the advanced, cloud-based data reporting, analytics, and monitoring capabilities of Centracs® +Detect. +Detect automatically and virtually reports traffic conditions and critical datasets, such as road user classifications, volumes, turning movements, speeds, and signal performance metrics.

With +Detect, you can automatically access and leverage your detector system's deep data sets for all-new levels of performance measures, without any additional installation requirements. +Detect also serves as an extension to the Centracs® Mobility Platform, Econolite's industry leading cloud-based Advanced Transportation Management System (ATMS).

Specifications	Autoscope Vision Camera
Compliance	• HD video streaming, H.264 720p (1280 x 720) • 10x optical zoom, 16:9 wide screen aspect ratio
Communications	• Local view wired 10/100 MB Ethernet Port or Wi-Fi • System/WAN via separate wired 1/100 MB Ethernet Port
Dimensions	• 22.5 in L x 7 in H x 5.5 in W (571.5 mm L x 177.8 mm H x 140 mm W) • Dimensions include sun shield and bracket
Environmental	• -29° F to 140° F (-34° C to +60° C) • Relative humidity of 0 to 95%, non-condensing • Hydrophilic faceplate coating • Indium Titanium Oxide (ITO) heater
Power	• 16W typical, 18W maximum • 89 to 265 VAC • 60/50 Hz
Regulatory	• FCC part 15, class A, ICES, NEMA TS2 standards • IP67 compliant
Warranty	• Three years • Extended warranty packages available up to six years
Weight	6.42 lbs. (2.91 kg)

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