Autoscope® OptiVu
Autoscope® Vision
EVO RADAR™

Autoscope® VISION

High-Definition for Superior Video Quality

Overview

Autoscope® Vision is an integrated high-definition (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.

Autoscope Vision builds on more than 30 years of proven above-ground video detection expertise. Its built-in local WiFi provides quick and simple set up – using the Supervisor Software - an entire intersection can be programmed in just minutes. Installation and integration is also simple with 3-wires-only.

Autoscope Vision provides high performance vehicle, pedestrian, bicycle detection and differentiation using state-of-the-art algorithms and a high definition video sensor. It delivers full ITS capabilities for traffic engineers to use in strategically managing their traffic infrastructure. Autoscope Vision helps improve safety, reduce vehicle emissions, and mitigate traffic congestion.

Key Features

- ***Traffic Video Detection Camera***
- ***Highest levels of accuracy and performance for the Advanced Traffic Management System***
- ***Built-in local WiFi for quick and simple set up***
- ***Program an entire intersection in just minutes***
- ***Easy to install with 3-wires-only***
- ***Simple integration to all traffic cabinets***
- ***High Definition (HD) camera for superior video images***
- ***2 gore breathers***

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Autoscope® VISION

Description

Autoscope Vision is an integrated camera-processor sensor solution that provides high performance stop bar vehicle detection, pedestrian detection, bicycle detection and differentiation, advance vehicle detection, traffic data collection, and HD video surveillance. It also supports local WiFi and streaming video to mobile computing devices.

Autoscope Vision utilizes an ITO faceplate heater and hydrophilic coated lens to maintain optimal performance during inclement weather while reducing the frequency of cleaning.

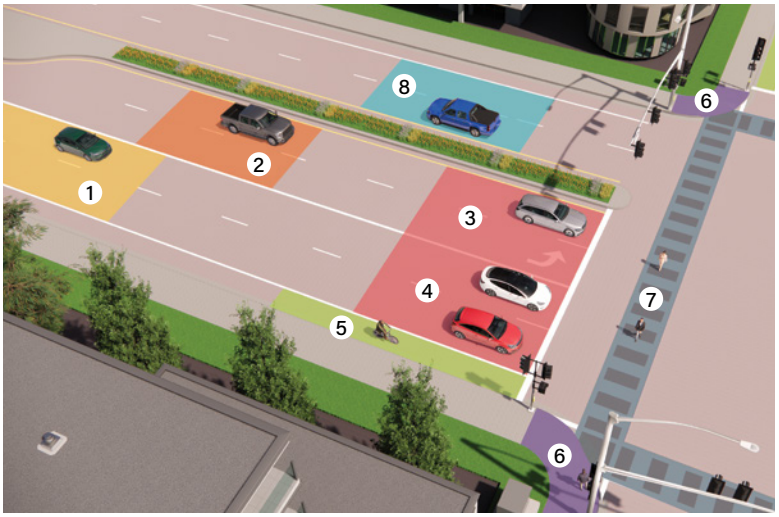
Power and communication to Vision sensors is conducted via the Vision Comm Manager™. Vision Comm Manager supports SDLC and wired I/O interface.

	Camera - Specifications
Video	• HD streaming video, 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 WiFi • System/WAN via separate wired 1/100 MB Ethernet Port
Temperature	• -34° C to +60° C (-29° F to 165°F) • Meets TS2 standards • Relative humidity of 0 to 95%, non-condensing
Power	• 16W typical, 18W maximum • 89 to 265 VAC • 60/50 Hz • Indium Titanium Oxide (ITO) and hydrophilic faceplate
Environmental	• Temperature range: -40° to +60°C (-40° to 140°F) • 10 to 100% (no condensation)
Dimensions & Weight	• H x W x L (with sun shield and bracket) • 7" x 5.5" x 22.5" (177.8 mm x 140 mm x 571.5mm) • 6.5 lbs (2.95 kg)
Regulatory	• FCC Part 15, Class A, ICES, NEMA TS2-2016
Warranty	• Three-year warranty • Extended warranty packages available to six years

Application

Autoscope Vision is capable of simultaneously satisfying multiple transportation management objectives:

1. *Advance Vehicle Detection up to 600 feet*
2. *Left Turn Advance Detection*
3. *Stop Bar Left Turn Detection*
4. *Stop Bar Through Detection*
5. *Bicycle Detection and Differentiation*
6. *Pedestrian Waiting Areas Detection*
7. *Pedestrian in Crosswalk Detection*
8. *Departure Detection*



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