

# Autoscope® VISION

Accurate. Versatile. Simple.



▷ ▷ Autoscope performance is robust and reliable in all lighting conditions.

## About Vision™

Video detection and broadband communications technologies continue to help inspire and generate new levels of Intelligent Transportation Systems (ITS) capabilities. This will be even more critical as connected vehicle and Smart City technologies become more prevalent, particularly vehicle-to-infrastructure (V2I) and data analytics. Whether for surveillance, vehicle detection, bicycle detection and differentiation, data collection, or traffic monitoring systems, video detection and broadband communications are increasing ITS performance, cost efficiencies, and access to strategic traffic information - helping transportation professionals improve safety, reduce vehicle emissions, and mitigate traffic congestion.

Building on more than two decades of proven above-ground video detection experience, Autoscope Vision delivers the highest levels of accuracy and performance in an easy-to-use detection solution that supports a variety of traffic management and ITS applications.

### At A Glance

- ▷ Highest levels of accuracy and performance
- ▷ 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



## Description

Autoscope Vision is an integrated camera-processor sensor solution that provides high performance stop bar vehicle 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.

## Application

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

- Stop bar vehicle detection
- Bicycle detection and differentiation
- Advance vehicle detection up to 600 feet from Vision sensor
- Traffic data collection
- HD video surveillance

## Vision Sensor Specifications

- ▶ **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
- ▶ **Dimensions**
  - ⦿ H x W x L (with sunshield and bracket):  
7" x 5.5" x 22.5"  
(177.8 mm x 140 mm x 571.5mm)
  - ⦿ 6.5 lbs (2.95 kg)

