

Autoscope AIS Color



▶▶ The Autoscope Image Sensor (AIS) Series is a lightweight color zoom camera system, designed for the rigors and performance requirements of vehicle detection at virtually all traffic intersection and highway environments.

About Autoscope

As more Intelligent Transportation System (ITS) programs come online, transportation agencies and metropolitan planning organizations (MPO) are realizing the enhanced traffic management capabilities that are accessible through ITS. A solution that offers one of the largest gains in capability and lower cost of ownership to any ITS program is a video detection system. A video system provides access to new levels of strategic traffic information, supporting comprehensive reporting for funding opportunities, regular signal timing updates, traveler and shared traffic information, etc. Optimized as a video source for the Autoscope standalone Machine Vision Processor (MVP) product suite, the AIS Suite of cameras produce consistently high quality video in all weather, lighting, and traffic conditions common in today's demanding traffic management and ITS environments.

At A Glance

- ▶ Low power consumption
- ▶ 22x zoom lens & color imager
- ▶ Zoom and setup control over coax
- ▶ High resolution for accuracy
- ▶ Auto-gain circuitry for improved detection in varying light
- ▶ Accurate detection at low light levels
- ▶ No streaking or blooming from bright light sources (head lights)



Benefits

- Flexibility of application
- Reliable detection performance
- Ease of installation and cost-effective maintenance
- Light weight
- Uses standard AIS cables

Faceplate Heater

New technology has greatly reduced the power consumption of the AIS. By applying heat directly to the faceplate, the AIS can keep the faceplate clear in extreme conditions with much less power. As an optical fail-safe, the Autoscope Supervisor Software provides contrast detectors to compensate for non-electrical failures in much the same way as the electrical fail-safe turns on detectors on failure of an electrical component.

Zoom Control

New technology to adjust the zoom lens eliminates adapter cables or extra control wires in the pole. This greatly simplifies installation. Zoom and camera controls travel to the AIS along the coax cable. The coax modem plugs into the coax cable allowing a laptop computer to adjust the lens field-of-view.

Basic Specifications

- ▷ Temperature
 - ◉ -40°F to +140°F (-34°C to +60°C)
- ▷ Power
 - ◉ 16W typical, 18W maximum
 - ◉ 89 to 265 VAC
 - ◉ 60/50 Hz
 - ◉ Indium Titanium Oxide (ITO) and hydrophilic faceplate
- ▷ Dimensions
 - ◉ Housing Enclosure: 3.5 in. diam., 10.5 in. L (8.89 cm diam., 26.67 cm L)
 - ◉ Weather sunshield: 16.3 in. L (41.4 cm L)

