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

- Designed for most wide-area machine vision vehicle detection applications
- Low maintenance
- Low power consumption
- Rugged, environmentally sealed enclosure
- Auto-gain circuitry for improved detection in varying light conditions
- Hydrophilic faceplate coating
- No streaking or blooming from bright light sources (headlights)
Description

The image sensor has high sensitivity for accurate vehicle detection at night and during other low light conditions. The solid-state design provides maximum hardware reliability for 24/7 operations. The color image sensor minimizes streaking and blooming from bright light sources, such as headlights and wet pavement that could adversely affect detection performance.

A variety of available mounting brackets enable easy installation of the AIS camera systems on existing poles, mast arms, or other structures. The unique bracket design speeds installation by minimizing adjustment hardware and eliminating steps in the set-up process.

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 less power.

Zoom Control

"Control-over-Coax" technology is used to adjust the zoom lens, eliminate adapter cables, or extra control wires in the pole, simplifying installation. Zoom and camera controls travel to the AIS along the coax cable. Adjustments are made via a hand-held zoom controller or a coax modem that plugs into the coax cable, allowing the user to adjust the lens via a laptop computer.

Color or Black & White

The AIS-IV can be ordered with output video pre-set to color or black & white. For RackVision™ and 2020™ MVP products, order with color video output. For use with Autoscope 2004 MVP, black & white video must be used. The video output can be switched by the user via the zoom control setup software.

EasyLock Connection Option

This connector is an excellent choice for easy field installation. It eliminates “pig tail” camera cables and splicing by allowing the installer to pull power and coax cable directly to the camera. Connectors are easily installed for reliable, waterproof connections.

Hydrophilic Faceplate Coating

This new faceplate coating fills the porous surface of the face plate, preventing airborne contaminants and water from striking and sticking to the surface of the lens. The coating maintains image quality and reduces the need for maintenance.

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**Basic Specifications**

- **Temperature**
  - -40°F to +140°F (-40°C to +60°C)

- **Power**
  - Input power options: 85-265VAC-40-440Hz/24VAC, 47-440Hz/12-14VDC
  - 10W max
  - 5W nominal

- **Dimensions**
  - Housing Enclosure: 3.5 in. D x 10.3 in. L (8.89 cm D x 26.2 cm L)
  - Weather sunshield: 14.5 in. L (36.8 cm L)