



## AIS Camera

The AIS Camera™ is a high-resolution, specially optimized video source for an Autoscope stand-alone MVP (machine vision processor); the Autoscope RackVision, Autoscope RackVision System, and Autoscope 2020.

The AIS Camera produces consistent video quality in all weather, lighting, and congestion levels common to the traffic industry. The durable design provides dependable hardware and 24-hour operation. The sealed and optionally pressurized barrel protects the image sensor against the demands of the outdoor environment. The adjustable weather shield helps minimize rain, snow and sleet contact on the faceplate. It also reduces glare and improves video contrast for superior detection.

Autoscope video detection systems deliver an economical alternative to loops and other detection technologies for junction control, and they also have the versatility to satisfy incident management applications for bridges, tunnels, and highways, as well as surveillance applications.

### FEATURES

- > Designed for wide area video vehicle detection
- > User-selectable video output; colour or black/white
- > PAL or NTSC video formats
- > High-resolution for accuracy
- > High-sensitivity for accurate detection at low light levels
- > Minimal streaking or blooming from bright light sources
- > Auto-gain circuitry for improved detection in varying light conditions
- > Zoom lens control over coax
- > Rugged, environmentally-sealed enclosure and sunshield designed to withstand all weather extremes
- > Advanced faceplate heater
- > Low power consumption

### BENEFITS

- > Cost-effective solutions for traffic management
- > Easy to install and configure
- > Flexibility to meet a variety of detection and surveillance needs
- > Superior value and performance when compared to other detector systems

### ADVANCED FACEPLATE HEATER

By applying heat directly to the faceplate, the AIS Camera can keep the faceplate clear in all weather conditions.

### ZOOM CONTROL

The coax modem plugs into the coax cable allowing a PC, with the Autoscope Software installed, to adjust the lens field-of-view. This feature eliminates adapter cables or extra control wires leading up the pole.



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## SPECIFICATIONS

### Power

#### > Consumption

- 10 W with heater ON
- 5 W with heater OFF

#### > Input

- 24 VAC 0-60 Hz  
(Input voltage at DC, 12 to 28 VDC)
- 110 VAC 50 Hz PAL/CCIR 60 Hz NTSC/RS170
- 220 VAC 50 Hz 60 Hz

### Video

#### > PAL, CCIR, NTSC, RS170

#### > Output

- 75Ω analog 1 Vpp
- User-selectable colour or black/white

### Lens

- > 22x, continuous focus
- > Horizontal: 3.4 to 67.0 degrees
- > Vertical: 2.6 to 52.8 degrees
- > Focal length 2.6 mm - 57.2 mm

### Camera

- > 1/4" CCD
- > Horizontal resolution
  - PAL: >460 TVL
  - NTSC: >470 TVL
- > Effective pixels
  - PAL/CCIR: 752 x 582
  - NTSC/RS170: 768 x 494
- > Sensitivity (at lens, full video, AGC off, 1/60 sec) 2.0 lux (colour)
- > Signal-to-noise >50 dB
- > Synchronization: crystal lock

### Housing and Sunshield

- > Image sensor sealed in waterproof and dust-tight NEMA-4 housing (IP 66)
- > Thermostatically controlled faceplate heater
- > Adjustable weather and sunshield with drip guard
- > Optional pressurized enclosure

### Environmental

- > -40° C to +60° C (-40° F to +140° F)
- > Up to 100% relative humidity per MIL-E-5400T paragraph 4.3.24.4

### Dimensions and Weight

- > H x W x L (with sunshield and bracket)
  - 201 mm x 110 mm x 411 mm
  - (7.90 in x 4.30 in x 16.20 in)
- > 2.27 kg (5.0 lb)

### Warranty

- > Two-year warranty
- > Extended warranty package available

### Regulatory

- > CE EN 55011, EN 61000-6-1
- > FCC Part 15, Class A