



ImageSensing
systems



AIS-IV

The AIS-IV Camera is a rugged, lightweight, compact, high-resolution colour zoom camera designed for the rigors of the traffic environment.

The camera produces consistent high quality video in all weather, lighting, and congestion levels common to traffic. The image sensor has high sensitivity for accurate vehicle detection at night and during other low light level conditions.

The solid-state design provides maximum hardware reliability and reliable 24-hour operation. The weather shield serves to minimize rain, snow and sleet contact on the faceplate and can be adjusted to shield the faceplate from direct sunlight to reduce glare, improving video contrast for superior detection.

Autoscope video detection systems deliver an economical alternative to loops and other detection technologies for signalised junction control and incident management applications for bridges, tunnels, and highways.

KEY BENEFITS

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

AIS-IV

SPECIFICATIONS

Power

- Input
 - 85-265 VAC, 50 or 60 Hz or
 - 24 VAC, 50 or 60 Hz
 - 12-14 VDC
- Consumption
 - 10W maximum
 - 5W nominal

Video Output

- NTSC/RS 170
- PAL/CCIR

Lens

- 22x continuous focus zoom
- Horizontal: 2.2 to 47.3 degrees
- Vertical: 1.65 to 36.45 degrees

Camera

- 1/4 inch colour format CCD image
- Horizontal resolution
- >460 TVL
- Shutter speed: 1/60 sec (fixed)
- Sensitivity (at lens, full video, AGC off) 2.0 lux (colour)
- Luminance signal-to-noise >50 dB
- Synchronization: crystal lock

Interface Power & Video

- Separate power and video
- MS 14-18P, round Mil Spec connector

Housing and Sunshield

- Zoom lens image sensor sealed in waterproof and dust-tight housing
- Housing meets NEMA-4 and IP 66 standards
- Hydrophilic faceplate coating
- Faceplate heater
- Adjustable weather and sunshield with drip guard and custom aperture
- Optional pressurized enclosure (MS connector only)

Environmental

- -40° C to +60° C (-40° F to +140° F)
- IP 66

Dimensions and Weight

- H x W x L (with sunshield and bracket)
 - 142.24 mm x 121.92 mm x 273.05 mm
 - (5.6 in x 4.8 in x 10.75 in)
- 1.8 kg (4.0 lb)

Warranty

- Two-year warranty
- Extended warranty package available

Regulatory

- EN 55022
- FCC Part 15, Class A

FACEPLATE HEATER

Reduced power consumption attained by applying heat directly to the faceplate. The AIS can keep the faceplate clear in extreme conditions with less power.

HYDROPHILIC FACEPLATE COATING

This new faceplate coating fills the porous surface of the faceplate, 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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Due to ISS' continuous efforts to develop the products that are most responsive to our customers needs, the above specifications are subject to change. To verify the current information, please visit the Image Sensing Systems website.

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