

### Camera Failsafe Operation

*Autoscope* provides both optical and electrical failsafe features. Under failed conditions, both features turn on all associated detector outputs, ensuring safe intersection operation. This electrical failsafe is the same operation as other equipment in the cabinet, as required by all major industry specifications. Since the *Autoscope* system depends on non-electrical processes, an additional failsafe is used for problems with the lens or faceplate. The *Autoscope* system provides options for poor contrast situations to maintain both the safety (during Red) and the efficiency (during Green) of intersection operations. The optical failsafe feature can be disabled for freeway and count station applications.

### Zoom Control

The *A/S-V* camera uses a RS-485 circuit to control the zoom of the lens from a handheld controller.

Since aiming the camera is most often a one-time event, this simple zoom control helps keep the overall size of the camera small and compact. The installer can conveniently make adjustments with the handheld zoom controller from the bucket, base of pole, or cabinet.

### Camera Pigtail Cable

The camera pigtail cable is available in a wide variety of lengths for connection of branch cabling at the base of the pole or a "homerun" back to the cabinet. The easy-to-install connector also helps keep the overall size of the camera small and compact.

### A/S-V Interface Panel

The *A/S-V* interface panel in the cabinet protects other cabinet equipment from outside surges and noise. Its several layers of protection include transformer isolation and fuses.

#### Lens

- 10x continuous-focus zoom
- Horizontal: 5° to 46°
- Vertical: 4° to 35°

#### Imaging Device

- ¼ in. color CCD

#### Video Formats Supported

- NTSC

#### Resolution

- More than 470 TVL Horizontal

#### Synchronization

- Crystal lock

#### Sensitivity at Lens

- Full video, no AGC, 3.0 Lux (typ.)

#### Signal to Noise Ratio

- More than 50 dB

#### Interface Power & Video

- Wide variety of pigtail cable lengths with connector
- Unterminated power, video coax, zoom lens control

#### Housing & Sunshield

- Zoom lens image sensor sealed in waterproof and dust-light housing
- Housing meets NEMA 4 and IP 67 standards
- Adjustable weather/sunshield with drip guard and custom aperture

#### Power

- Input power: 24VAC, 60 Hz, 6W max (with heater on)
- *A/S-V* Interface Panel: 120VAC, 60 Hz
- *A/S-V* 220 Interface Panel: 240 VAC, 60 Hz

#### Dimensions

- Mounting: Standard camera bracket tilt-top provided
- Enclosure with weather/sunshield: 10.75 in. L, 4.8 in W, 5.6 in. H

#### Weight

- 2.0 lb (0.9 kg)

#### Ambient Temperature Limits

- -40°F to +140°F/-40°C to +60°C

#### Humidity Limits

- Up to 100% relative humidity per MIL-E-5400T paragraph 4.3.24.4

#### Warranty

- Three-year standard warranty
- Extended warranty available (up to six years)

#### Product Support

- Product support and training by a team of factory-trained *Autoscope* technical support specialists

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