



Autoscope® Sn-510

The Autoscope Sn-510 video detection system provides a complete solution for junction control. The Sn-510 DIN rail processing card easily integrates into traffic cabinets to provide stopline and approach vehicle detection for up to four approaches.

The smartly designed camera delivers value in a compact package to view traffic at the junction.

With its new simple detection zone setup tool, the Sn-510 can be setup in less than 15 minutes.

The detector card contains 16 open collector outputs, each with status LEDs on the front panel as well as micro-USB for setup.

Traffic managers will benefit from this streamlined and cost-effective solution that offers non-intrusive fast setup, minimal maintenance and high performance.

APPLICATIONS

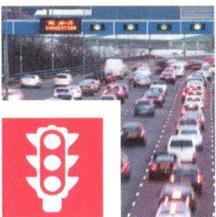
- Junction control
- Advance detection

FEATURES

- Vehicle presence detection
- Four-camera video processor
- Enhanced USB or TCP/IP connectivity (through adapter)
- Front panel provides convenient terminations for power, communications, detector I/O and video inputs
- 6 securable, plug-style connectors with screw terminals that plug easily into the unit
- Vehicle presence outputs via front panel screw terminations
- LED indicates status for power, communications, video and detector I/O
- Low power consumption

BENEFITS

- Cost-effective solution for junction control
- Field proven accuracy and reliability
- Easy to install, configure and maintain
- Easily integrated into controllers and detector racks



Autoscope Sn-510

SPECIFICATION

Processor

Power

- 12 to 28 VDC, 8W maximum

Video

Input

- PAL (25 fps), NTSC (30 fps)
- Four Channels 100Ω 1 Vpp, plugable screw terminal block differential video connections

Output

- Digital stream

Communications

- Supervisor communication via micro USB connector on front
- Ethernet communication via USB to Ethernet adapter (optional).

Detector I/O

- 16 outputs, (open collector, selectable active low or high by hardware jumper)
- 4 inputs
- 1 status output (open collector, active low) to indicate card is processing and detector I/O valid

Environmental

- -34° C to +74° C (-29° F to +165° F)
- 0 to 95% relative humidity, non-condensing

Dimensions and Weight

- H x W x L
135 mm x 55 mm x 170 mm
(5.31 in x 2.71 in x 6.69 in)
- 0.27 kg (0.6 lb)

Warranty

- Two-year warranty
- Extended warranty package available

Regulatory

- CE EN 55022, EN55024, EN 61000-6-1, RoHS

Camera

Power

- 20 to 36 VDC
- Consumption, current draw
- 100 mA nominal at 24 VDC, 2W

Video

Output

- PAL

Lens

- Focal length: 4.3 mm and 8mm
- Signal-to-noise: >48 dB
- Dynamic Range: 50 dB

Housing

- UV resistant IP67 enclosure
- IR reduction front plate design
- Sunshield protecting from UV and water
- Adjustable and sturdy mounting bracket

Environmental

- -34° C to +60° C (-29° F to +140° F)
- 0 to 95% relative humidity, non-condensing

Dimensions and Weight

- H x W x L
156 mm x 144 mm x 92 mm
- 0.91 kg (2 lbs)

Warranty

- Two-year warranty
- Extended warranty package available

Regulatory

- CE EN 55022, EN 61000-6-1, RoHS

SET-UP AND OPERATION

The Autoscope Sn-510 system is easy to install, set up, and operate to meet your vehicle detection requirements.

- DIN rail processing card easily integrates into traffic cabinets.
- Setup uses a new simple detection zone setup application to create detection zones for up to 4 approaches and allows a user to have a system up and running within minutes. The Autoscope software to create detection zones for up to 4 lanes per camera for vehicle presence applications.

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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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