

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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