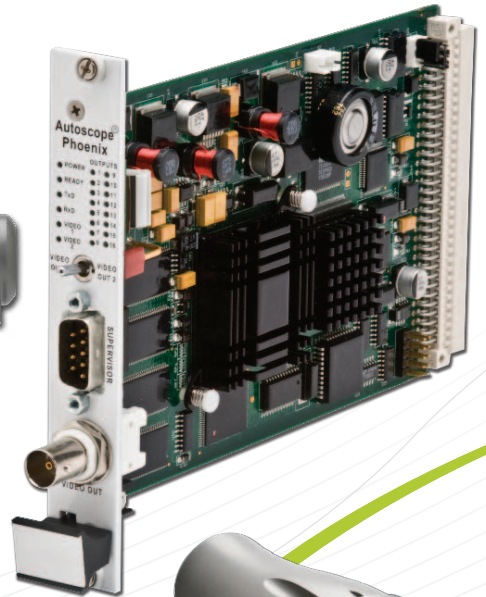


Autoscope® Phoenix™



The Autoscope Phoenix™ video detection system provides a complete solution for junction control. The Phoenix detector card slides easily into a rack to provide stopline and approach vehicle detection at each approach. The smartly designed and compact Phoenix camera delivers value in a compact package to view traffic at the junction.

The detector card contains 16 open collector outputs, each with status LEDs on the front panel.

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

APPLICATIONS

- > Junction control

FEATURES

- > Vehicle presence detection
- > Dual-camera video processor
- > 64-pin DIN connector backplane provides convenient terminations for power, communications, detector I/O and video I/O
- > Vehicle presence outputs via backplane screw terminations
- > Self test on power-up
- > LED indicates status for power, communications, video, data processing, 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
- > Superior value and performance when compared to other detector systems



Image Sensing Systems, Inc. Headquarters

500 Spruce Tree Centre
1600 University Avenue West
St. Paul, Minnesota 55104-3825 USA

Phone +1.651.603.7700
Fax +1.651.305.6402
stpaul@imagesensing.com
imagesensing.com

Image Sensing Systems Europe Limited

City Park
Swiftfields
Welwyn Garden City
Hertfordshire
AL7 1LY United Kingdom

Phone +44.1707.378870
Fax +44.1707.378875
enquiries@imagesensingeu.com
imagesensing.eu

Flow Traffic Limited

Suite 01, 18th Floor, Queen's Place
74 Queen's Road Central
Hong Kong

Phone +852.2827.1123
Fax +852.2827.0056
hongkong@flowtraffic.com
flowtraffic.com.cn

SPECIFICATIONS

PROCESSOR

Power

- > 12 to 24 VDC, 11W maximum
- > Consumption, current draw
 - 12 VDC, 6W, 500mA
 - 24 VDC, 7W, 290mA

Video

- > Input
 - PAL, CCIR, NTSC, RS170
 - Two Channels 75Ω 1 Vpp, SMA connector
- > Output
 - 1 Vpp, BNC connector on front
 - PAL or NTSC

Communications

- > RS-232 Supervisor communication via DB9 connector on front (9600 to 230K Baud)
- > Multi-drop RS-485 Supervisor communication on back

Detector I/O

- > 16 outputs, (open collector, selectable active low or high)
- > 4 inputs
- > 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

Dimensions and Weight

- > H x W x L (3U x 160mm)
 - 130 mm x 20 mm x 207 mm
 - (5.12 in x 0.80 in x 8.15 in)
- > 0.16 kg (0.35 lb)

Warranty

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

Regulatory

CE EN 55022, 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, 8mm, and 12mm

Camera

- > 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 100% relative humidity

Dimensions and Weight

- > H x W x L
 - 156 mm x 144 mm x 92 mm
 - (6.14 in x 5.67 in x 3.62 in)
- > 0.91 kg (2 lbs)

Warranty

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

Regulatory

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

SETUP AND OPERATION

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

- > Processor slides directly into detector racks.
- > Setup uses simple mouse and keyboard commands to create up to 12 virtual detection zones per camera for vehicle presence applications.

