

Autoscope Solo® Terra™ Interface Panel

The Autoscope Solo® Terra™ Interface Panel (TIP) provides a robust Autoscope® EasyLink™ connection point in the cabinet for communicating with your Autoscope Solo Terra video detection sensors. The TIP supports “3-wires-only” branch cable connections to the sensors, an interface to the Autoscope Terra Access Point (TAP) for outputs to traffic controllers, and a standard Ethernet connection for your laptop at the cabinet or back to the office.

With innovative Terra Technology you will appreciate the processing power, web browser communications, digital streaming video and ease of setup and use. EasyLink broadband connectivity provides simple connection to your traffic system communications network.

The TIP is a highly integrated and optimized solution for networking Autoscope Solo Terra sensors.



APPLICATIONS

- > Junction control
- > Highway data collection & automatic incident detection
- > Bridge, tollway, and tunnel management
- > Work-zone safety and traffic control
- > Traveler information systems
- > Remote video surveillance

FEATURES

- > Provides power and communication terminations for up to 8 Autoscope Solo® Terra sensors
- > Provides communications connection to the Terra Access Point (TAP)
- > RJ45 Ethernet connection for laptop or cabinet network
- > High-voltage transient protection
- > Power line isolation
- > DIN rail mountable

BENEFITS

- > Simpler cabling and installation of the Autoscope Solo Terra sensor
- > Quick installation into any traffic control cabinet configuration
- > Simple integration into an Ethernet-based communications infrastructure
- > Time-saving maintenance features for the traffic equipment manager



SPECIFICATIONS

Power

- > 5 W
- > 110/220 VAC, 50/60 Hz from line-filtered side of cabinet power supply
- > 2 fuses

Environmental

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

Dimensions and Weight

- > H x W x L
 - 280 mm x 180 mm x 50 mm
 - (11.0 in x 7.0 in x 2.0 in)
- > 0.68 kg (1.5 lbs)

Warranty

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

Regulatory

- > CE EN 55022, EN 61000-6-1, EN 60950

Theory of Operation

The *Terra* Interface Panel supports Autoscope EasyLink[™] communications for up to eight (8) Autoscope Solo *Terra* sensors. It provides high-voltage transient protection, mechanical strain relief and “3-wires only” power connections. The TIP provides a single 10/100 Base-T Ethernet network cable connection. The TIP passes detection information for external communications from the Autoscope sensors to the *Terra* Access Point (TAP) detector port master for the traffic controller or other device.

The TIP is a highly integrated and optimized solution for networking Autoscope Solo *Terra* sensors. It reliably delivers broadband communications over the 3-wire power cable in the challenging traffic communications environment. The TIP combats deep attenuation events, noises sources, and multi-path fading by adjusting to the changing signal-to-noise ratio. The system manages communications for reliable delivery of data packets. It offers the high bandwidth performance necessary to drive today’s sophisticated traffic detection applications such as MPEG-4 streaming digital video.

Contacts

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

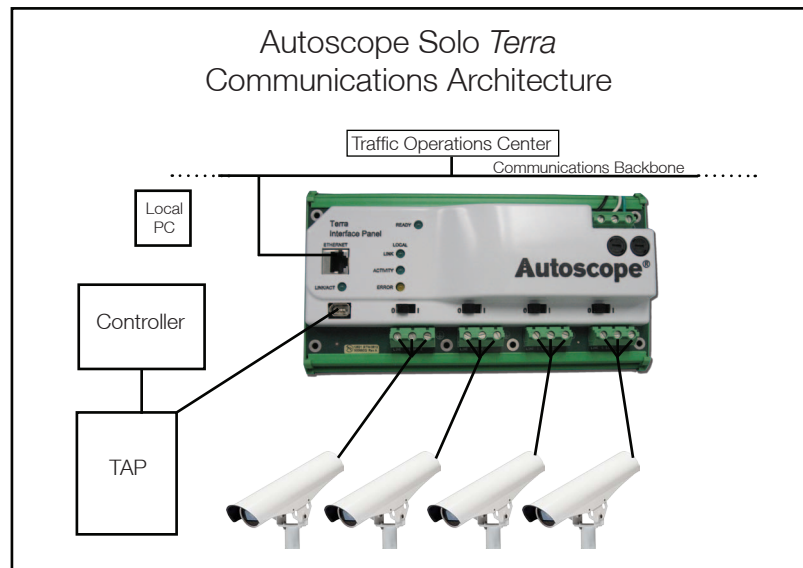
City Park
Swiftfields
Welwyn Garden City
Hertfordshire
AL7 1LY United Kingdom

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



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