

# Autoscope Solo Terra



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## About Solo Terra

The *Autoscope Solo Terra* sensor is a color video detection and surveillance system that quickly installs with “3-wires-only,” reduces maintenance with ClearVision faceplate coating, and offers user-convenient *Terra* Technology. The *Solo Terra* sensor provides timely, high-quality traffic information required for today’s sophisticated traffic and Intelligent Transportation Systems (ITS).

*Terra* Technology leverages IP-based addressing with a unique Ethernet MAC address. It combines state-of-the-art advances in digital image signal processing, broadband communications, and System-on-Chip (SoC) processors to add versatility and boost performance.

- ### At A Glance
- EasyLink connectivity for IP-addressable broadband communications
  - Web server interface for easy setup
  - Streaming digital MPEG-4 video output
  - User-definable password protection
  - Vehicle detection, traffic data measurement, speed, and incident detection
  - Bicycle detection

## Benefits

- Cost-effective solutions for traffic management and ITS
- Field-proven accuracy and reliability
- Easy to install and configure
- Flexible design meets a variety of detection and surveillance applications
- Superior to other detection systems in value and performance

Detector outputs can be assigned to interface with NEMA TS1/TS2, Type 170/179 and 2070 ATC controller via the optional Autoscope Terra Access Point (TAP). Traffic data is quickly integrated into proprietary software applications with the optional Autoscope Software Developer's Kit (SDK). Extensive Boolean Logic capabilities provide flexibility in detector layouts to help validate an event or incident alarm.

## Setup & Operation

The Autoscope Solo Terra unit makes it easier than ever to set up and customize to meet application requirements. The Autoscope Configuration Wizard® quickly sets up intersection or highway incident detection applications. Simple mouse or keyboard operations allow custom positioning for virtual detectors per field-of-view. Detection zones provide traffic count, presence, speed, and incident detection alarms. Incident types include freeway congestion, stopped vehicles, wrong direction vehicles, slow-moving vehicles, bicycles, pedestrians, smoke/fire, debris, or other customized alarms. Real-time polling or stored data include volume, occupancy, five vehicle classes by length, density, and other traffic data for selected periods or by phase.

## Applications

- Traffic incident management for highways, tunnels, and bridges
- Junction control
- Traffic data collection
- Work-zone safety and traffic control
- Traveler information systems
- Bicycle detection
- Remote video surveillance

## Basic Specifications

- Temperature
  - -29°F to +165°F (-34°C to +74°C)
  - Up to 100% relative humidity per MIL-E-5400T paragraph 4.3.24.4
- Power
  - 15W
  - 110/220 VAC 50/60 Hz
- Dimensions
  - Overall H x W x L (with sunshield and bracket):
  - 8 in. x 4.3 in. x 21.3 in. (20 cm x 12 cm x 54 cm)
  - 6.6 lb (3.0 kg)
  - Mounting: Standard camera bracket tilt-top provided

