

Autoscope® Terra™ Access Point

The Autoscope® Terra™ Access Point (TAP) is a robust Autoscope detector port master (DPM) with EasyLink™ connectivity for up to eight (8) Autoscope Solo Terra video detection sensors. The TAP outputs vehicle detection events to the traffic controller. Well-organized switched LED indicators simplify maintenance and monitoring. Its video switch provides PAL or NTSC analog video for access in the roadside cabinet.

EasyLink connectivity means simple installation within the traffic cabinet for inputs/outputs to the traffic controller or other device. Point and click I/O assignments quickly configure the interface to the traffic controller. The TAP employs broadband communications for up to eight Autoscope Solo Terra sensors. With 14 Mb/sec-rated transceivers you'll have plenty of throughput to transmit vehicle presence, traffic data, alarms and MPEG-4 digital video simultaneously.



APPLICATIONS

- > Junction control
- > Highway data collection
- > Work-zone safety and traffic control
- > Traveler information systems
- > Remote video surveillance

FEATURES

- > Supports up to 8 Autoscope Solo Terra sensors
- > 24 contact-closure outputs
- > 16 contact-closure inputs
- > EasyLink™ IP-addressable connectivity
- > Provides PAL, NTSC analog video output for attached Solo Terra MPEG-4 streaming digital video
- > Detector rack or shelf mount installation
- > Emulates function of up to 4 TS2 Bus interface Units (BIU)
 - 64 TS 2 detector outputs
 - 32 TS 2 inputs for Phase/Load Switch status
- > Self diagnostics on power-up
- > High-energy transient protection

BENEFITS

- > Simple cabling and setup
- > Quick installation into any traffic cabinet configuration
- > Time-saving maintenance features for the traffic equipment manager
- > Surface-mount technology for increased reliability
- > Failsafe detector outputs
- > Superior value when compared to other detection systems

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SPECIFICATIONS**Power**

- > 12 to 24 VDC or VAC, 11W maximum

Video

- > Output
 - PAL or NTSC
 - 75Ω, 1 Vpp, BNC connector on front

Detector I/O

- > Outputs (open collector, active low)
 - 4 on Rear edge connector (jumper selectable)
 - 24 on Front connector
- > Inputs
 - 16 on Front connector
- > Status output on edge connector indicates card is processing and detector I/O is valid (open collector, active low)
- > TS 2 SDLC Port 1 connector
- > Serial I/O via EasyLink com

Environmental

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

Dimensions and weight

- > H x W x L
 - 114 mm x 59 mm x 175 mm
 - (4.5 in x 2.34 in x 6.9 in)
- > 0.2 kg (0.5 lbs)

Warranty

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

Regulatory

- > CE EN 55022, EN 61000-6-1
- > FCC Part 15, Class A

SETUP AND OPERATION

Autoscope *Terra* Technology combines state-of-the-art advances in digital video, digital image signal processing and EasyLink broadband communications to boost performance. *Terra* Technology products like the TAP use Internet-standard, IP-based addressing with a unique Ethernet MAC address.

The TAP supports Autoscope EasyLink communications to up to eight (8) Autoscope Solo *Terra* sensors. Detector port communications to the TAP is a broadband link through the *Terra* Interface Panel (TIP) to the Solo *Terra* sensors.

The *Terra* Access Point will interface detector outputs directly to the traffic controller. For central systems, you can quickly integrate traffic data into your own proprietary database with the optional Autoscope Software Developer's Kit (SDK).

When connected to a TIP and Autoscope Solo *Terra* sensors, the TAP converts streaming digital MPEG-4 video to standard PAL or NTSC analog video to view locally in the traffic cabinet. The toggle switch selects video output and the rotary switch selects which camera to view.

To monitor activity, LED indicators show connectivity status and the states of all inputs and outputs. The toggle switch selects LED indications and the rotary switch selects I/O or status to view.

