Autoscope ENCORE Access Point

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About Access Point

The Autoscope ENCORE Access Point is a robust Autoscope Detector Port Master (DPM) with EasyLink connectivity for up to eight Autoscope devices. The Access Point outputs vehicle detection events to the traffic controller. A well-organized user-selectable video output simplifies maintenance and monitoring. Its video switch provides standard National Television Standards Committee (NTSC) or Phase Alternating Line (PAL) analog video for access in the traffic cabinet.

EasyLink connectivity means simple installation within the cabinet for I/O recognition to the traffic controller. The Autoscope Configuration Wizard® promptly associates the TAP with other Autoscope devices. Point-and-click I/O assignments quickly configure the interface to the traffic controller.

At A Glance

- ▷ Rack or stand-alone installation
- ▷ C1Y 170 controller input/output adaptor cable
- ▷ Self-diagnostics on power-up
- ▷ High-energy transient protection
- ▷ Supports up to 8 Autoscope devices
- ▷ EasyLink IP-addressable connectivity
- ▷ 88 total simultaneous outputs
- ▷ 48 total simultaneous inputs
- ▷ 64 TS2 detector outputs

ECONOLITE®

Benefits

- Simple cabling and set-up
- Quick installation into any traffic cabinet configuration
- Time-saving maintenance features for the   traffic equipment manager
- Surface-mount technology for increased reliability
- Efficient outputs
- Use in all cabinets with TS2 SDLC communications
- Use in all TS1 or Caltrans 332 cabinets
- Failsafe detector outputs to traffic controller
- Superior value when compared to previous detection systems
- Software-upgradeable

Applications

- Intersection detection
- Highway data collection
- Automatic incident detection
- Bridge, tollway, and tunnel management
- Work-zone safety and traffic control
- Traveler information systems
- Remote video surveillance

Set-up & Operation

Autoscope Technology combines state-of-the-art advances in digital video, digital image signal processing, and EasyLink broadband communications to enhance performance. A standard CAT-5 cable connects the *Autoscope* system into a network to view video, collect traffic data, and maintain the system.

Autoscope products like Access Point use Internet-standard, IP-based addressing with a unique Ethernet MAC address. Depending on the cabinet configuration, detector port communication to the TAP is conducted via a broadband link through the TIP to the *Autoscope* sensors or a standard RS-485 serial link to the *Autoscope RackVision Terra MVP*.

The *ENCORE Access Point* will interface detector outputs directly to NEMA TS1/TS2, Type 170/179, or 2070 ATC controllers. For central systems, traffic data can be quickly integrated into a proprietary database with the optional *Autoscope* Software Developer's Kit (SDK). Optionally available is a C1Y cable for easy cabinet integration without re-wiring or modifications to the traffic cabinet detector rack.

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

Basic Specifications

▷ **Temperature**
- ⊙ -29°F to +165°F (-34°C to +74°C)
- ⊙ 0 to 95% relative humidity

▷ **Power**
- ⊙ 12 to 24 VDC or VAC, 11W maximum

▷ **Dimensions**
- ⊙ 4.5 in. H x 2.34 in. W x 6.9 in. L (114 mm x 59 mm x 175 mm) (excluding handle)
- ⊙ 0.5 lb (0.2 kg)