

Autoscope ENCORE Interface Panel



- ▶▶ The Autoscope Interface Panel supports “3-wires-only” branch cable connections to ENCORE detection sensors.

About ENCORE Interface Panel

The Autoscope ENCORE Interface Panel provides a robust Autoscope EasyLink connection point in the cabinet for communicating with ENCORE detection sensors. The Interface Panel supports “3-wires-only” branch cable connections to the sensors, an interface to the Autoscope Access Point for outputs to traffic controllers, and a standard Ethernet connection for a laptop at the Traffic Control Center (TCC). The Interface Panel also protects other cabinet components from branch cable transients and surges, while making zoom set-up and sensor maintenance easily manageable directly from the cabinet.

EasyLink connectivity allows simple installation within the traffic cabinet and user-friendly integration into an agency’s Ethernet-based communications network. A standard CAT-5 cable connects the Interface Panel into a network to view video, collect traffic data, and maintain the Autoscope system. Autoscope products like the Autoscope ENCORE and Access Point Detector Port Master (DPM) use Internet-standard, IP-based addressing with a unique Ethernet MAC address.

At A Glance

- ▶ Supports up to 8 Autoscope ENCORE sensors and Access Point
- ▶ RJ45 Ethernet connection for laptop or cabinet network
- ▶ High-voltage transient protection
- ▶ Power line isolation
- ▶ Also supports 1 to 8 Solo Terra cameras
- ▶ Includes 2 spare fuses
- ▶ Small footprint
- ▶ Hardened for cabinet environment



Theory of Operation

The Interface Panel supports Autoscope EasyLink communications with up to eight Autoscope ENCORE sensors. It provides high-voltage transient protection, mechanical strain relief, "3-wires-only" power connections. The interface panel passes detection information from the Autoscope sensors to the Access Point DPM for the traffic controller or cabinet. The Autoscope Configuration Wizard® makes detection set-up quick and easy.

The Interface Panel is a highly integrated and optimized solution for networking sensors. It reliably delivers broadband exchanges in the challenging traffic communications environment and combats deep attenuation events, noise sources, and multi-path fading by adjusting to the variable Signal to Noise Ratio (SNR). The system manages communications for dependable distribution of data packets and offers the high-bandwidth performance necessary to drive sophisticated traffic detection applications.

Benefits

- Efficient "3-wires-only" connectivity to *Autoscope ENCORE* sensor
- Quick installation into any traffic control cabinet configuration
- Convenient integration into an Ethernet-based communications infrastructure
- Reduces maintenance time

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

Basic Specifications

► Temperature

- ◉ -29°F to +165°F (-34°C to +74°C)
- ◉ 0 to 95% relative humidity
- ◉ Up to 100% relative humidity per MIL-E-5400T paragraph 4.3.24.4

► Power

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

► Dimensions

- ◉ 11 in. x 7 in. x 2 in. (28 cm x 18 cm x 5 cm)
- ◉ 1.7 lb (0.8 kg) on standard sheet metal panel

