



Autoscope[®] ENCORE

Description

The advances in digital video and broadband communication technologies continue to open doors to new applications for Intelligent Transportation Systems (ITS) - enhancing traffic networks and inspiring new ITS capabilities. Whether for surveillance, vehicle detection, data collection, or traffic monitoring systems, digital video and broadband communications are increasing ITS performance. Improving cost efficiencies and access to strategic traffic information is helping transportation professionals improve safety, reduce vehicle emissions, and mitigate traffic congestion.

Autoscope ENCORE features EasyLink connectivity, providing simple installation to the traffic cabinet and integration to an agency's IP-based communications network. A standard CAT-5 cable connects *ENCORE* sensors into a network providing easy user access to video, traffic data, and legendary *Autoscope* vehicle detection.

ENCORE technology uses IP-based addressing with a unique Ethernet MAC address. *ENCORE* sensors employ a dual-core processor with sophisticated image analysis and Advanced RISC Machine (ARM) general-purpose processing in a small SoC package for exceptional performance and low power consumption. Multi-threaded software processes video images in real-time to detect vehicles, extract traffic data, identify incidents, and transmit detector outputs, while simultaneously streaming quality MPEG-4 video.

Safe and secure, password-protected *ENCORE* sensors are accessible via common Internet browsers. The embedded web server represents a convenient way for authorized users to view streaming video, modify configurations, and monitor system performance remotely. Configuration Wizards are present for programming both intersection and highway applications through the Network Browser or the web interface.

Each *ENCORE* sensor is accessed and powered by "3-wires-only", broadband-over-power cable, no coaxial cable required. An environmentally

protected connector simplifies the task of completing secure field terminations. Zoom control and detector configuration may be conducted remotely or at the cabinet. The unique aperture helps keep the faceplate clean for longer periods of time between routine maintenance.

Benefits

- Cost-effective ITS solutions for traffic management
- Field-proven detection 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

Features

- 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
- Smoke/Fire detection
- Integrated color camera, zoom lens, and dual-core processor for advanced image processing
- Direct real-time iris and shutter speed control
- Fail-safe detector outputs with the *Autoscope TAP*
- Non-volatile memory data storage
- High energy transient protection
- Local language support