

Setup & Operation

The *Autoscope ENCORE* 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.

Detector outputs can be assigned to interface with NEMA TS1/TS2, Type 170/179 and 2070 ATC controller via the optional *TAP*. Traffic data is quickly integrated into proprietary software applications with the optional *Auto-*

scope Software Developer's Kit (SDK). Extensive Boolean Logic capabilities provide flexibility in detector layouts to help validate an event or incident alarm.

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
- Sub-system of ATMS system

Power

- 15W
- 110/220 VAC 50/60 Hz

Video

- Digital streaming MPEG-4 video output

Lens

- 10x continuous focus lens
- Standard configuration:
 - Horizontal: 5° to 46°
 - Vertical: 3.8° to 34.8°
 - Focal Length: 0.16 in. to 1.65 in. (4 mm to 42 mm)

Camera

- CCD ¼ in. diam. (4.5 mm)
- Horizontal resolution: NTSC > 470 TVL
- Sensitivity (at lens, full video, AGC off, 1/60 sec) 2.0 lux (color)
- Signal-to-noise > 50 dB
- Synchronization: Crystal lock

Effective Pixels

- NTSC: 380K (768 x 494)

Housing & Sunshield

- Image sensor and processor sealed in a water-proof and dust-tight NEMA-4 housing (IP 67)
- Thermostatically controlled faceplate heater
- Adjustable weather and sunshield with drip guard
- Weatherproof rear connector

Communications

- EasyLink (broadband communications (up to 5 Mb/sec) with RJ-45 connection from required *ENCORE/Terra Interface Panel (TIP)*)

Environmental

- -29°F to +140°F (-34°C to +60°C)
- Up to 100% relative humidity per MIL-E-5400T paragraph 4.3.24.4

Dimensions and Weight

- Overall H x W x L (with sunshield and bracket): 9.5 in x 4.75 in. x 10.75 in. (24 cm x 11 cm x 27 cm)
- 3.7 lb (1.6 kg)
- Mounting: Standard camera bracket tilt-top provided

Options

- Paint color

Warranty

- Three-year warranty
- Extended warranty package to six years

Regulatory

- CE EN 55022, EN 61000-6-1, EN 60950
- FCC Part 15, Class A

Product Support

- Product support and training by team of factory-trained *Autoscope* technical support specialists

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