Vantage Edge®2
A machine vision processor that delivers superior performance

Benefits of the Vantage Edge2 System

- Includes SmartCycle® bicycle detection and differentiation algorithms
- Includes PedTrax™ automated bi-directional pedestrian count and speed data
- Simple to use interface reduces training time and improves productivity

State-of-the-art video detection processor
The Vantage Edge®2 processor is a key component in the family of Vantage® video detection solutions. The module combines state-of-the-art technology with sophisticated algorithms to deliver dependable vehicle detection required for today’s complex transportation systems. The Edge2 processor features single, dual, or quad video inputs to maximize configuration efficiencies for intersection control, highway monitoring, and ramp metering flow control applications.

Maximum flexibility with optional modules
The processor module is complemented by multiple Input/Output and Extension Modules that provide flexible and expandable solutions to meet the needs of larger and more complex intersection configurations.

The Edge2 processor module and its associated expansion modules fit into standard detector racks to simplify installation and set up. All modules are designed as a simple and cost-effective replacement for the inductive loop amplifier module configuration.
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The Edge2 processor and all of its associated modules can be completely configured by using a mouse and video monitor only, eliminating the need for expensive laptops or PDA devices.

**More Benefits**
- “Plug and play” operation enables use of existing detector rack
- Expandable and modular system allows for optimal configuration that helps to reduce cost while preserving room for incremental growth
- Ease of set up and minimal lane closure time reduces manpower cost and keeps traffic flowing during equipment installation

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Power Consumption</th>
<th>12 or 24 VDC, 7W maximum</th>
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<tbody>
<tr>
<td></td>
<td>@12VDC - 490mA</td>
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<tr>
<td></td>
<td>@24VDC - 280mA</td>
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</tbody>
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**Video**
- Input type: NTSC, PAL
- 75 Ohm 1 Vpp

<table>
<thead>
<tr>
<th>1 input channel</th>
<th>Single BNC connector</th>
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</thead>
<tbody>
<tr>
<td>2 input channel</td>
<td>Dual BNC connector</td>
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<tr>
<td>4 input channel</td>
<td>DB15 video input connector (cable supplied)</td>
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**Output – All models**
- Single BNC connector

**Detector I/O**
- Outputs (open collector +24VDC nominal 50mA)
  - 4 on rear edge of module
- Inputs
  - 4 on rear edge of module
- 24 detection zones per camera channel

**Status Indicators**
- 4 LEDs indicate output detection state
- 4 LEDs indicate video source

**Op. Temperature**
- -35°F to +165°F (-37°C to +74°C)

**Humidity**
- 0% to 95% non-condensing

**Vibration**
- 0.5G, 3 axes, 5-30Hz vibration tested

**Shock**
- 10G in all 3 axes for shock testing

**Mechanical**
- 7” L x 4.5” H x 2.31” W. (17.78cm x 11.43cm x 5.86cm)
- Weight: 0.8lb (.363Kg)

**Regulatory**
- NEMA TS-2 Compliant
- FCC part 15, Class A

**Warranty**
- 3 years limited warranty

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