



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 complimented 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

SPECIFICATIONS

Power Consumption	12 or 24 VDC, 7W maximum		
	<ul style="list-style-type: none"> • @12VDC - 490mA • @24VDC - 280mA 		
Video	Input type		
	<ul style="list-style-type: none"> • NTSC, PAL • 75 Ohm I Vpp 		
	1 input channel		
	<ul style="list-style-type: none"> • Single BNC connector 		
2 input channel			
<ul style="list-style-type: none"> • Dual BNC connector 			
4 input channel			
<ul style="list-style-type: none"> • DB15 video input connector (cable supplied) 			
Output - All models			
<ul style="list-style-type: none"> • Single BNC connector 			
Communication Ports	Single/Dual	Quad	
	RS232		✓
	USB A Mouse	✓	✓
	USB A Thumbdrive	✓	
	USB B Comms	✓	
Detector I/O	Outputs (open collector +24VDC nominal 50mA)		
	<ul style="list-style-type: none"> • 4 on rear edge of module 		
Inputs			
<ul style="list-style-type: none"> • 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	0.5Gm, 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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