4-Channel

Vantage Edge®2

A machine vision processor that delivers superior performance

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.
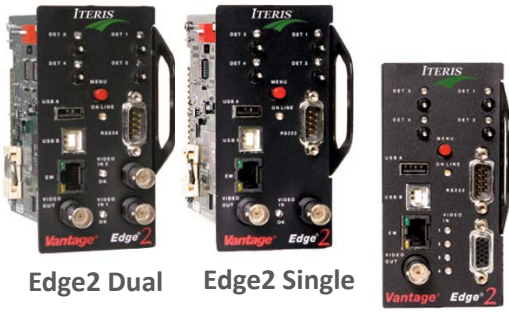
The Edge2 processor module and its associated expansion modules fit into standard detector racks to simplify installation and setup. All modules are designed as a simple and cost-effective replacement for the inductive loop amplifier module configuration.

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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.

Edge2 Dual   **Edge2 Single**

Edge2 Quad

Benefits

- "Plug and play" operation enables use of existing detector rack
- Simple to use interface reduces training time and improves productivity levels
- Ease of set up and minimal lane closure time reduces manpower cost and keeps traffic flowing during equipment installation
- Expandable and modular system allows for optimal configuration that helps to reduce cost while preserving room for incremental growth

Specifications

Power	12 or 24 VDC, 7W maximum
Consumption	• @12VDC - 490mA
	• @24VDC - 280mA
Video	Input type
	• NTSC, PAL
	• 75 Ohm 1 Vpp
	1 input channel
	• Single BNC connector
	2 input channel
	• Dual BNC connector
	4 input channel
	• DB15 video input connector (cable supplied)
	Output – All models
	• Single BNC connector
Communications	RS-232 serial port
	USB port for pointer control
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
Environmental	-35°F to +165°F (-37°C to +74°C)
	0% to 95% humidity non-condensing
	0.5G, 3 axes, 5-30Hz vibration tested
	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)
	0.8lb (.363Kg)
Warranty	3 years limited warranty
Regulatory	NEMA TS-2 compliant
	FCC part 15, Class A

ISO 9001:2008

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