

Roadway Sensors

Vantage® TS2-IM

[Simply communications between your TS-2 Controller and Iteris Video Detection modules – A sophisticated, affordable single card solution from Iteris]

The Vantage® TS2-IM (TS2 Interface Module) is a Bus Interface Unit (BIU) module that allows video detection systems to communicate with TS-2 controllers using standard protocols.

The TS2-IM module collects detection information from the Vantage Edge2 processor and passes the outputs to the TS-2 Controller using standard SDLC communications. An optional capability allows the module to monitor the TS-2 controller communications interface for phase conditions. This information can then be passed to the Edge2 processor modules as an input to allow for even greater flexibility in video detection functionality.

When used in conjunction with the Vantage video detection system, the TS2-IM module provides:

- An integrated BIU interface that communicates with the TS-2 Controller using the standard SDLC communications protocol.
- 64 detector output channels to the TS-2 Controller.
- Connectivity for up to four (4) Edge2 video detection processor modules
- Enhanced virtual zone function dependent upon phase condition for turning movements, count studies, etc.
- Seamless integration with existing loop amplifier modules within the same rack
- Failsafe mode transmits outputs to the TS-2 Controller upon failure and offers self-diagnostic features.
- Plug and Play operation with hot swappable capabilities.



Features

- Integrated TS-2 Bus Interface Unit (BIU) module
- Mounts into any standard TS-2 BIU rack slot
- Can be used as a replacement module for standard BIU modules
- Monitors TS-2 phase information
- Supports standard loop amplifier modules within same detector rack
- NEMA TS2 Publication Standard compliant
- 64 outputs
- Uses SDLC addresses 8, 9, 10 and 11 for TS-2 controller communications
- Easy set up and mapping of video detection outputs to TS-2 Controller
- Call status LED's and diagnostics

Installation and Configuration

The TS-2IM module is completely hot-swappable and offers full “Plug and Play” operation. It inserts easily into the existing BIU slot and replaces the existing BIU module without any modifications to the controller setup.



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Benefits

- Plug and play operation enables use of existing detector rack thereby extending the life of the existing TS-2 Controller and cabinet equipment
- Simple to use interface reduces training time and improves productivity levels
- Expandable and modular system allows for optimal configuration that helps to reduce cost while preserving room for incremental growth

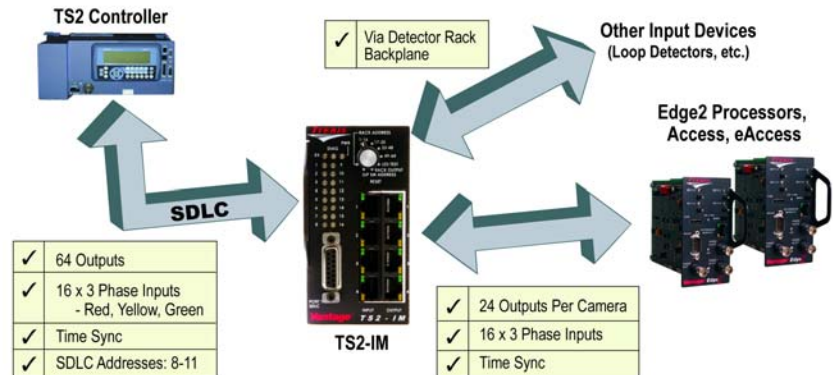
Typical Applications

- Intersection flow control
- Ramp metering
- Traffic data collection
- Bicycle detection

Vantage Family Products

- Machine Vision Processor modules
- Input and Output Extension modules
- Communications modules
- Flexible and expandable rack systems
- Cameras optimized for traffic applications

TS2-IM Interfaces



Technical Specifications

Power	• +24VDC
Connectors	• Backplane
	• Standard TS-2 BIU connector
	• Vantage
	• 8 x RJ45 receptacles (4 input, 4 output)
	• SDLC TS-2
	• DB15 connector
Indicators and Controls	
	• 16 x LEDs for detector call status
	• 3 x LEDs for power and communication status
	• 7 point selectable mode switch for setup and operation
Environmental	• -34°C to +74°C (-30°F to 165°F)
	• 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)
	• 0.66lb (.299Kg)
Warranty	• 3 years limited warranty
Regulatory	• NEMA TS-2 compliant



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