

# Roadway Sensors

## Vantage® TS2-IM

*[Simplify communications between your TS-2 Controller and Iteris Video Detection modules]*

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.

## 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.



## 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

# Roadway Sensors

## 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

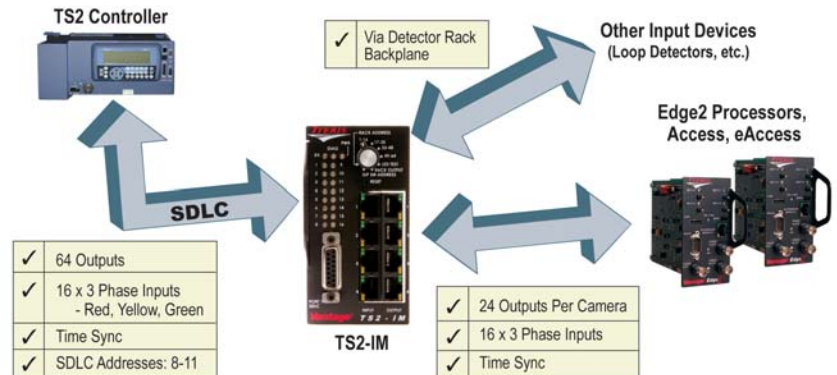
## Typical Applications

- 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
	<ul style="list-style-type: none"> <li>Standard TS-2 BIU connector</li> </ul>
	Vantage
	<ul style="list-style-type: none"> <li>8 x RJ45 receptacles (4 input, 4 output)</li> </ul>
	SDLC TS-2
	<ul style="list-style-type: none"> <li>DB15 connector</li> </ul>
<b>Indicators and Controls</b>	
	16 x LEDs for detector call status
	3 x LEDs for power and communication status
	7 point selectable mode switch for setup and operation
<b>Environmental</b>	-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
<b>Mechanical</b>	7" L x 4.5" H x 2.31" W
	(17.78cm x 11.43cm x 5.86cm)
	0.66lb (.299Kg)
<b>Warranty</b>	3 years limited warranty
<b>Regulatory</b>	NEMA TS-2 compliant



Information furnished by Iteris is believed to be accurate and reliable. However, Iteris does not warranty the accuracy, completeness, or fitness for use of any of the information furnished. No license is granted by implication or otherwise under any intellectual property. Specifications subject to change without notice.