



**We make  
highways  
talk™**

- **MANAGEMENT**
- **SAFETY**
- **PRESERVATION**

*International Road Dynamics Inc. develops and maintains traffic management products and systems technology that make highways talk. What are they saying? They are providing information that roadway administrators need to manage traffic, preserve infrastructure and provide safety warnings to drivers.*

*IRD's multi-discipline, innovative and customer-focused team is expert in advanced technologies, advanced traffic solutions and custom-designed systems.*



**CUSTOMER  
DRIVEN™**

## **iSINC™ Lite Electronics**

### **Compact version of IRD's powerful iSINC™ System Electronics**

The 1068i iSINC™ Lite is a compact, rugged and low power system electronics that forms the core of IRD's traffic data collection systems. It contains a standard card rack, which can hold numerous configurations of interface cards. Each system electronics is identical with the exception of specific interface kits, which are selected to suit the requirements of your individual site.



#### **Applications:**

- Traffic data collection
- Sorting traffic based on compliance with regulations
- Controlling external systems and equipment
- Pre-screening
- Virtual Weigh Stations
- WIM@Toll™

The iSINC™ Lite contains a powerful processor module and up to nine sensor interface modules. Signal inputs/outputs connect to the back panel using standard plug connectors.

# iSINC™ Lite System Electronics

The IRD Model 1068i iSINC™ Lite System Electronics is the next generation of our popular 1060 WIM (Weigh-in-Motion) product line. It boasts all the features currently available within the existing series as well as hardened electronics to accommodate temperature and environmental extremes, modularity and convenience for easy upgrade, and powerful multi-tasking software for improved speed and performance. This WIM Electronics is driven by a powerful Operating System, which allows the flexibility to accommodate advanced algorithms and new sensor arrays now and in the future.

## Capacity

The maximum number of lanes the iSINC™ Lite processes according to sensor type:\*

WIM Sensors per Lane	Loop Sensors per Lane	Max Lanes
2 x Piezo (Class I or II)	2	8
2 x Lineas™ Quartz	2	8
2 x PAT Bending Plate System®	2	8
1 x IRD Slow Speed WIM	2	8
2 x IRD Single Load Cell	2	6
Virtual Weigh Station Compatible/Upgradable		
* other sensor layouts may be configured to meet site requirements.		

CE ROHS Directive: 2002/95/EC complaint  
GR-1089 standard transient voltage protection.



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