Weigh-In-Motion Manufacturer Capabilities
In-Ground Scales & Sensors
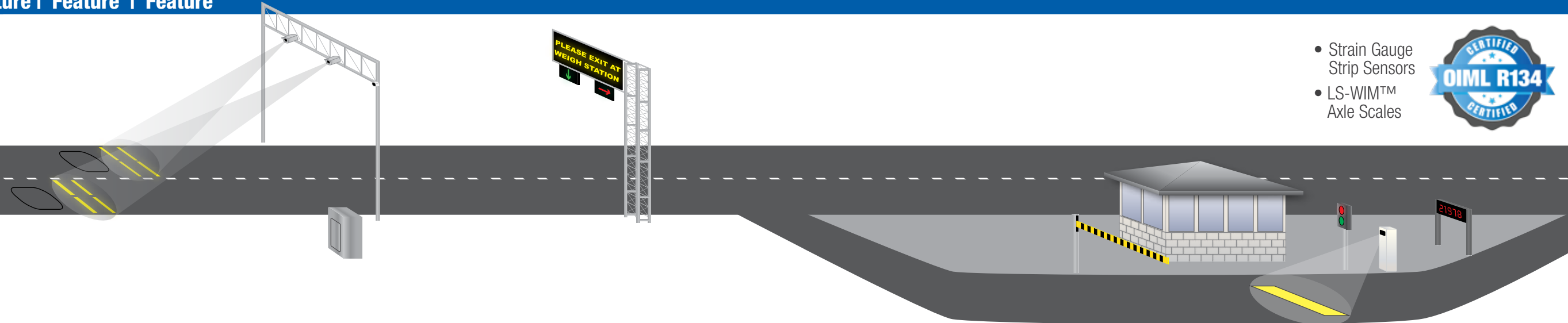
OIML R134
CERTIFIED CERTIFIED

Integration of Certified Weigh-In-Motion Scales

Intercomp Company has been manufacturing scales and sensors for over 40 years. From their headquarters in Minneapolis, Minnesota, USA, wheel, axle, and Gross Vehicle Weight (GVW) weighing products are manufactured for applications and use throughout the world.

Based on strain-gauge load sensing which is widely recognized as the most accurate weighing techology, Intercomp has designed products and Weigh-In-Motion (WIM) algorithms to deliver excellent performance for the end user. Certified to meet international standards, the WIM scales and sensors can be used by system integrators worldwide, or delivered as standalone operational WIM sites.

intercompcompany.com

Intercomp®
advanced weighing technology . . . by any measure

In-Ground Weigh-In-Motion Capabilities

Feature | Feature | Feature

- Strain Gauge Strip Sensors
- LS-WIM™ Axle Scales

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PLEASE EXIT AT WEIGH STATION

Weigh-In-Motion Strip Sensors (HS-WIM™ & LS-WIM™)

System Components

☐ Strain Gauge Strip Sensors

☐ Inductive Loop

☐ WIMLogix Series CPU

☐ OCR/ANPR Camera

☐ Scene View Camera

☐ Dual Tire Detection

☐ Traffic Signaling

☐ Variable Messaging Sign (VMS)
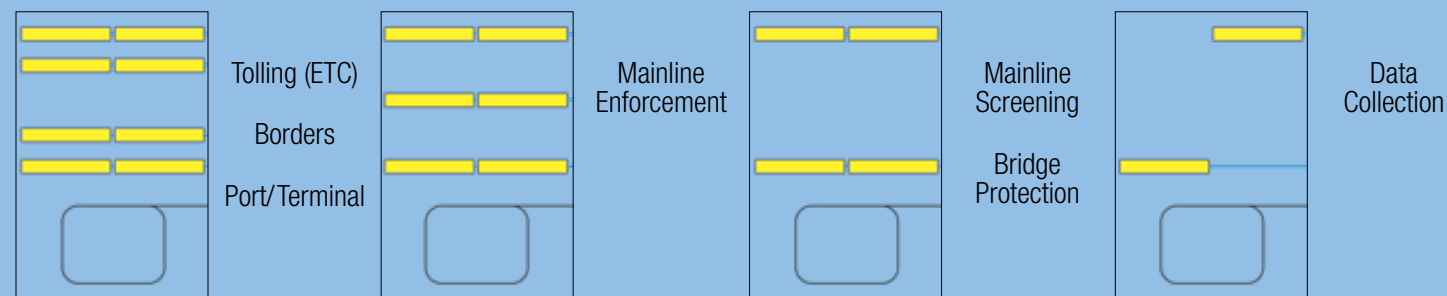
☐ Remote Monitoring Software
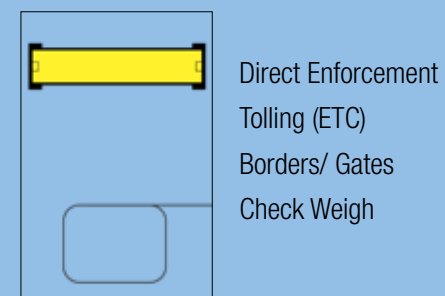
Weigh-In-Motion Axle Scale (LS-WIM™)

System Components

☐ LS-WIM Axle Scale

☐ Inductive Loop

☐ WIM4 CPU

☐ OCR/ANPR Camera

☐ Scene View Camera

☐ Gate Arm

☐ RFID

☐ Weight Display/ Traffic Signaling

☐ Variable Messaging Sign (VMS)

☐ IntercompWIM Software

Applications

Tolling (ETC)

Borders

Port/Terminal

Mainline Enforcement

Mainline Screening

Bridge Protection

Data Collection

Applications

Direct Enforcement

Tolling (ETC)

Borders/ Gates

Check Weigh

Intercomp®
advanced weighing technology...by any measure

WIM System Architecture

Flexible Options for Sensor Integration & Site Operation

Intercomp Provides

Customer Provides

	Strain Gauge Strip Sensors				
Process/ Digitize Weights	Customer Electronics & System	WIMLogix Standard Protocol	WIMLogix Pro CPU	WIMLogix Pro CPU	WIMLogix Pro CPU as Datalogger
On-Site Controller		API to Customer Electronics & Software			
Cameras & Other Sensors			via SOAP	via SOAP	
Logic/ Violation **Database** **User Interface**			Customer Software	Intercomp Remote Monitoring Software	
VMS & Signage					

Analog input of WIM sensors direct to customer electronics

WIMLogix CPU performs A/D conversion. Customer integrates API into electronics and software. Customer integrates camera imagery and other sensor output into vehicle records.

WIMLogix Pro CPU constructs WIM vehicle record including images and other sensors, SOAP file to customer software. VMS or signage controlled from software.

WIMLogix Pro CPU provides WIM vehicle records to Intercomp Remote Monitoring Software.

WIMLogix Pro CPU as data logger: stores vehicle records for onsite or remote download.