



Product Range:

- XL-1000-W High-Speed WiM
- XL-1000-C Classification
- XL-1000-I Incident Detection
- XL-1000-P Presence Detection

Applications:

- Predictive road maintenance
- Traffic planning
- Weigh-bridge pre-selection for load enforcement
- Vehicle data collection
- Protection for bridges & other assets
- Incident detection
- Oversize detection
- Ramp metering
- Parking bay occupancy detection
- Rural and remote traffic monitoring.

The XL-1000 Series is a versatile multifunction vehicle detection platform, based on a 3U rack-mountable chassis that is configurable to provide high-accuracy weigh-in-motion, axle-based classification, length-based classification, presence detection and incident detection, via a single-unit technology solution.

Key Features:

- Multiple lane detection (4-16 lanes support, up to 4 detection modules per full-size chassis)
- Communications options for RS-232, RS-422/RS-485 and Ethernet cards
- Support for Web Server card (with optional 2x contact closure) or Contact Closure card with 17x digital I/O
- Options for 240/110 Vac, 48 Vdc, 24 Vdc or 12 Vdc power supply
- Support for multiple real-time interface formats (STREAMS, SICE, ETG, GeoCounts)
- User configurable functions and site parameters
- Upgradeable
- Robust and reliable.

XL-1000-W - High-speed weigh-in-motion using in-pavement piezoelectric sensors and inductive loops (inductive loop & Class 1 piezo). The XL1000-W uses inductive loop and piezoelectric sensors to calculate individual axle weight, axle group weight and gross vehicle weight at speeds between 60kph and 120kph. It is capable of classifying vehicles based on length and axle configuration according to Austroads 4 and 12 bin schemes, respectively.

XL-1000-C - Axle and length-based classification using in-pavement piezo-electric sensors and inductive loops. The XL-1000-C is also capable of classifying vehicles based on length and axle configuration according to Austroads 4 and 12 bin schemes, respectively.

XL-1000-I - Incident detection and length-based classification using in-pavement inductive loops. It can be configured with up to 17 optional contact closure outputs for interfacing with PLC equipment. The XL1000-I is also capable of classifying vehicles based on length according to the Austroads 4 bin scheme.

XL-1000-P - Instantaneous parking bay presence detection using in-pavement inductive loops. Capable of monitoring up to 32 parking bays using in-pavement inductive loops or up to 16 large truck parking bays when using two loops per bay (typical truck parking bay dimensions of 30m x 6m using two 10m x 4m inductive loops).

| | XL-1000-W | XL-1000-C | XL-1000-I | XL-1000-P |
|---|-----------|-----------|-----------|-----------|
| High-speed Weigh-in-Motion | ✓ | - | - | - |
| Axle-based Classification (Austroads 12 bin) | ✓ | ✓ | - | - |
| Length-based Classification (Austroads 4 bin) | ✓ | ✓ | ✓ | - |
| Incident Detection | ✓ | ✓ | ✓ | - |
| Presence Detection | ✓ | ✓ | ✓ | ✓ |
| Data Logging (16GB compact flash) | ✓ | ✓ | Option | Option |
| SiteMonitor Remote Monitoring/Configuration | ✓ | ✓ | ✓ | ✓ |
| 3U Chassis, 19" rack | ✓ | ✓ | ✓ | ✓ |
| 3U Chassis, Half-rack* | ✓ | ✓ | ✓ | ✓ |
| Power Supply Options (240/110 Vac, 48 Vdc, 24 Vdc, 12 Vdc) | ✓ | ✓ | ✓ | ✓ |
| Loop sensor detector module | ✓ | ✓ | ✓ | ✓ |
| Piezo sensor detector module | ✓ | ✓ | - | - |

*Maximum 2x detector modules (8 lanes) supported.