

SLX-RADAR

RADAR ANALYTICS HARDWARE SPECIFICATIONS



MEASUREMENT DATA	
Speed Reporting	Instantaneous event-based of vehicle speed and direction.
Unit of Measure	Speed reporting is available in either km/h or mph bases on country national standards.
Speed Range	10-200km/h or 6-124mph.
Speed Accuracy	+/- 1km/h or +/- 0.6mph.
Detection Method	24 GHz Doppler Radar.
Configuration	Over the Air (OTA) user configuration of parameters and firmware.
Communication	See SLX-Controls Spec Sheet
Aiming	See Page 2 for aiming instructions.

REPORTING	
85th and 95th Percentile	85th and 95th Percentile Speed by total, by approaching, by receding.
Peak Speed	Peak Speed by total, by approaching, by receding.
Average Speed	Average Speed by total, by approaching, by receding.
Over-Speed	Four over speeding ranges are available, each range is customer configurable via SmartLinX UI. km/h default: 0-10, 10-20, 20-30, 30+ over speed limit. mph default: 0-5, 5-10, 10-15, 15+ over speed limit.
Enforcement	Reporting is available by location or by day.
Traffic Volume Characterization	Vehicle Count Characterization (Total, Approaching and Receding). Data suitability for ADT or AADT measurements is dependent on the road type, volume, number of lanes and congestion.
Reporting Periods	Daily, weekly, monthly, yearly, custom. Current period vs pervious period for comparison.

CERTIFICATIONS	
Product Safety Certification	See SLX-Controls Spec Sheet for more information.
Radar Module Certification	FCC, IC, CE
Cellular Certification	See SLX-Controls Spec Sheet for more information.

ELECTRICAL/MECHANICAL/ENVIRONMENTAL	
Electrical Input	See SLX-Controls Spec Sheet for more information. ANSI C136.10 and C136.41 compliant.
Power Consumption	< 2W Avg @120V
Vandal Resistance	IK-08 rated
Ingress Protection	IP-66 rated
Temperature Rating	-40°C to + 60°C (-40°F to +140°F)

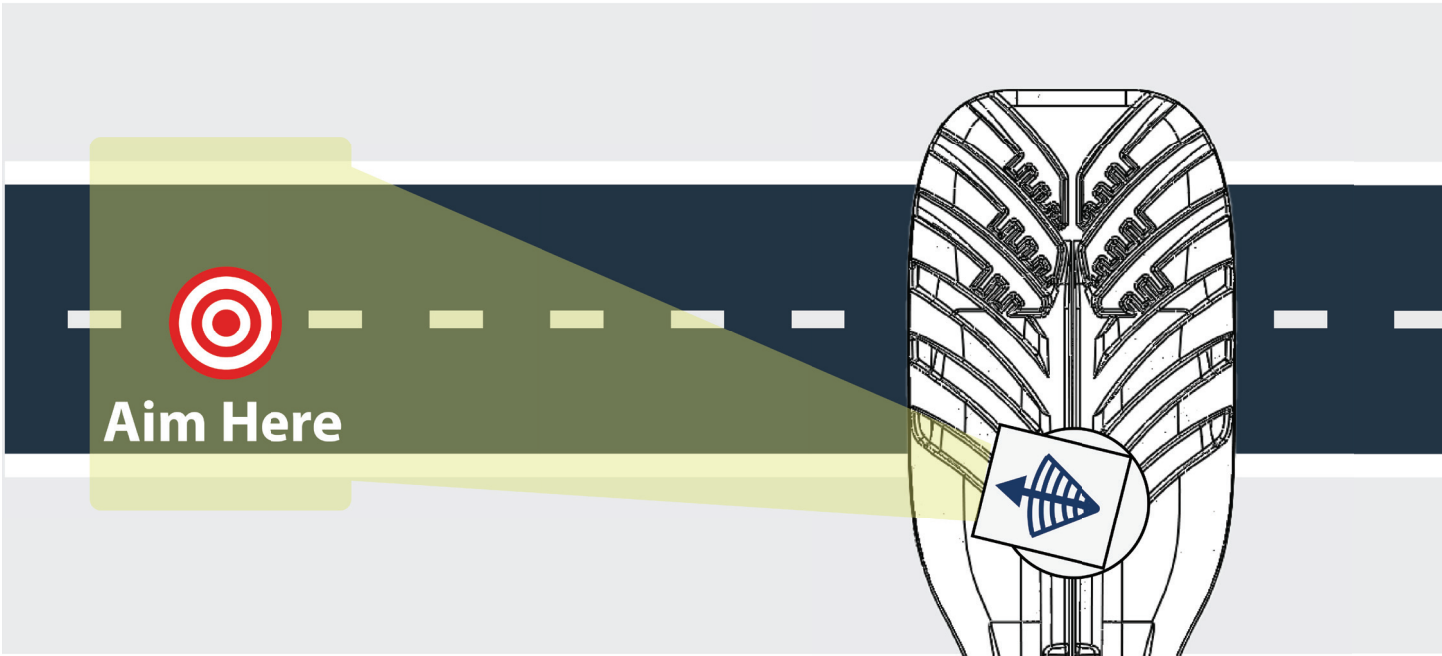
All information provided is subject to change without notice.



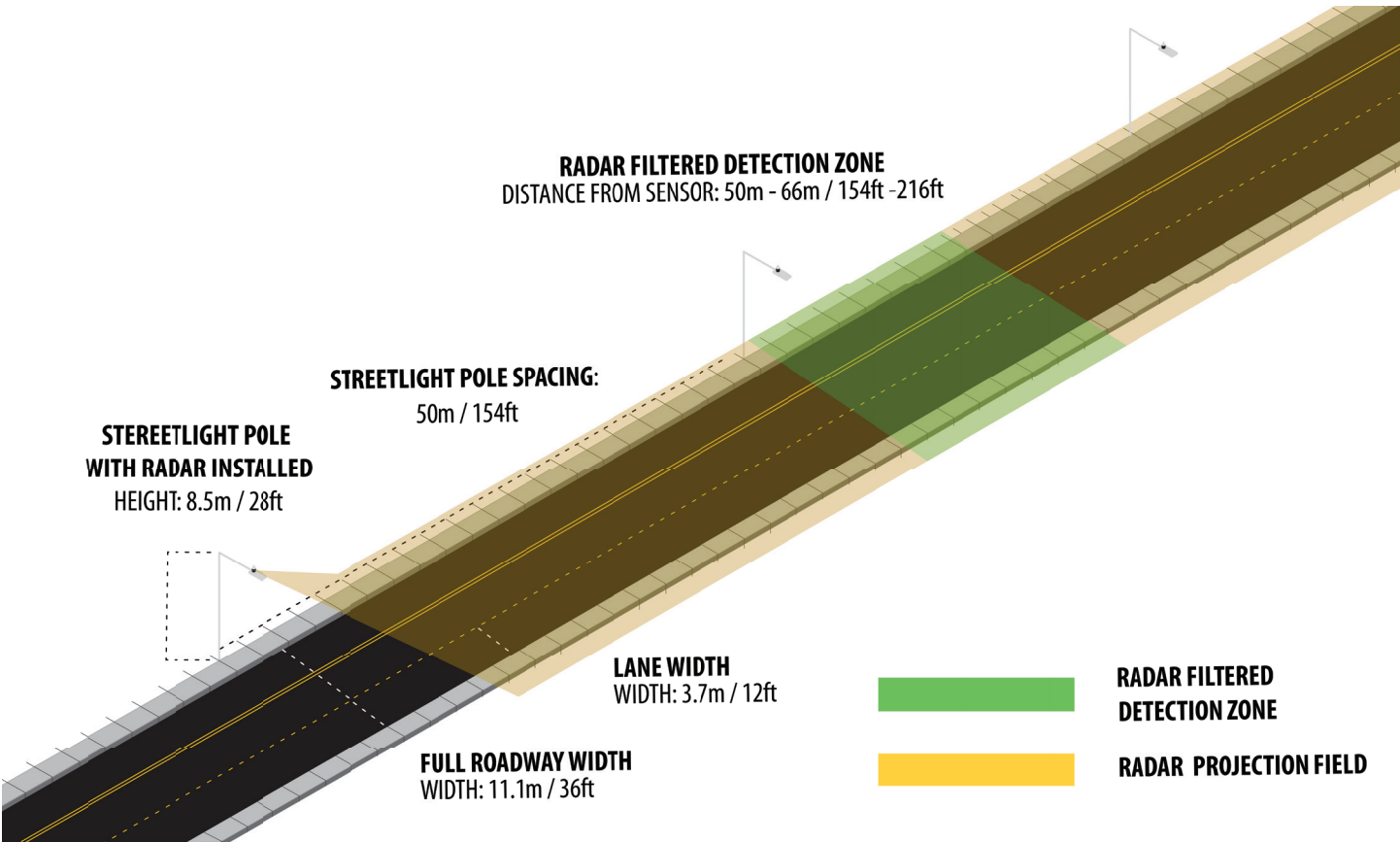
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Aim  to center of roadway



SMARTLINX

SOFTWARE SPECIFICATIONS

REPEAT ORDER		
<input type="checkbox"/> YES	<input type="checkbox"/> NO	IF YES, LAST PO #: _____



ORDERING AND SETUP INFORMATION			
Controller Part #			
Quantity			
Customer Name			
Project Name			
Approved By			
Date			
Comments			
Internal:			
Network Type	LTE-M	LTE	
Customer ID#			
For SmartLinX Setup (Not Required For Repeat Orders)			
Default Lighting Type Example: LED, HPS, Mixed, Other			
Dimming	0-10V	DALI	None
Address	Lat:		
	Long:		
SmartLinX Site Admin	Name		
	Phone		
	Email		

GRAPHICAL USER INTERFACE
Intuitive easy to use, secure, 100% web based GUI.
Displays devices in both a table and map view.
Displays different devices with individual icons.
Allows users to create and save logical groups of devices as Bookmarks.
Mobile friendly utilizing single touch design.

ASSET MANAGEMENT
Auto discovery & commissioning + GPS locations of new devices.
Stores asset information for all device types (traffic, pollution, noise, lighting).
Enables users to group devices by region (Municipal District).
Enable users to add, move and modify devices.
Flexible user customizable inventory lists utilizing a built-in query language.
Flexible user customizable data export and import.

REPORTING AND ALERTS
Flexible user configurable reports based on user defined inventory lists.
Reports can be filtered by region (Municipal District).
Displays alerts by region, user definable alert levels.
Data History of any device can be displayed in a graphical view and exported as a PDF or CSV. Data History can display different sensors at the same time. For example: Displaying traffic volume and pollution levels.
Multiple devices (traffic, pollution, and noise) can be displayed in Data History to assist with analysis.
All reports can be scheduled at recurring times utilizing the Automation Center or run on-demand by the user.

SMART CITY
Supports TALQ2 Protocol for Smart Cities.
Supports Open Smart City Protocol (OSCP).
Extensive robust API for data exchange.

*Network Type applies to Controller.

AUTOMATIONS AND ANALYTICS
Automation Center to allow users to define custom business logic specific to their needs.
Automation Center includes building blocks for Events, Notification Action, Ticket Actions, Analytics, Command Actions and Active Period.
Automations allows for the generation of alarms or alerts to an individual users or groups of users via email or SMS.
Automations can be filtered by Region (Municipal Districts).
Automation allows for the generation of alarms or alerts at the expiration of a timer or scheduled on a specific time and date.
Automation allows for the generation of alarms or alerts based on the analysis of incoming data.
Automation supports user generated one-time or recurring reports.
Supports heat maps analytics.

USER MANAGEMENT, ROLES & PERMISSIONS
User Management to limit users to specific Role and Group Permission.
User Roles to limit user to specific Applications and Devices.
User Permissions to limit user to Create, Update and Delete devices.
Supports Active Directory, SAML 2.0
Extensive audit trail by user, time stamp and activities.

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