



When you think signs, think **Signal-Tech!**



RedStorm™ the Smarter Parking Guidance System

Signal-Tech

LED Directional Signs & Signals

RedStorm™ Parking Guidance System is more than a car park system with software.

It has the ability to count vehicles while redirecting patrons to alternate or overflow parking through a network of fully integrated, intelligent Smart Signs.

As parking capacities fill up, RedStorm can alert and redirect traffic by changing messages on the System's Smart Signs.



Liberty Garage
Walter Reed National Military Medical Center - Bethesda, MD
Level by Level - Space Available Sign with Handicapped Spaces



Van Buren Garage
Historic District Parking - Naperville, IL
Total Count - Space Available Sign



Parking Structure 5
Cal State University Sacramento - Sacramento, CA
Level by Level - Space Available Sign



VIP Parking Garage
Wind Creek Casino - Wetumpka, AL
Level by Level - Space Available Sign

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877-547-9900

RedStorm is a car counting system with OPTIONS:

- Install it as a stand-alone car counting system with Space Available signs - no Ethernet or software required
- Add **RedStorm Reporting Software** and start monitoring your parking activity today
- Add **Signal-Tech's Directional Smart Signs** for the *ultimate Parking and Traffic Control Solution!*

RedStorm adapts to any garage or surface lot configuration.

It's ideal for a single parking garage or for multiple locations in a campus setting. It adapts to new and existing garages and surface lots. It also interfaces with third-party loop detection and gates.

RedStorm™ Answers the question, *"Are there any open spaces?"*



Why RedStorm?

- Real-time car counting
- Displays open space counts on signs at the garage or lot and remote locations
- Controls wayfinding and directional Smart Signs based on real-time parking occupancy or a pre-defined weekly schedule
- Sends alerts / notifications to assist in pinpointing and diagnosing atypical activity
- Creates reports and exports parking data in .csv format
- Provides a live XML feed of garage occupancy data that can be pushed out to 3rd party web services



EPS Parking Garage
The Village Pacific Highlands Ranch - San Diego, CA
Level by Level - Space Available Sign

How Does RedStorm™ Work

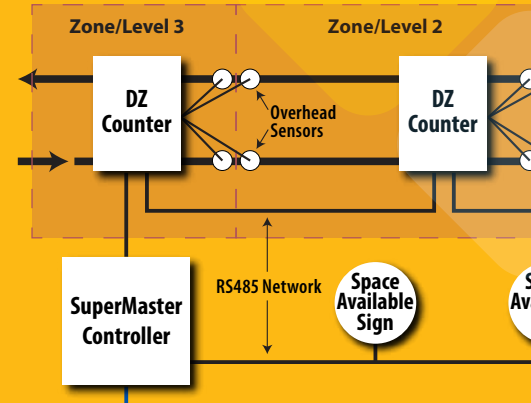
The basic RedStorm Parking Guidance System is a vehicle count system with Space Available signs running on a RS485 network. Vehicles are counted at each transition point in the garage or surface lot using Signal-Tech overhead sensors or third-party anti-tailgating loops.

The SuperMaster Controller is the brains of the system. It collects the vehicle counts from each transition point, calculates the available space counts and communicates the information to the Space Available signs and software. With proper delineation, installation and maintenance, the System has near perfect accuracy.

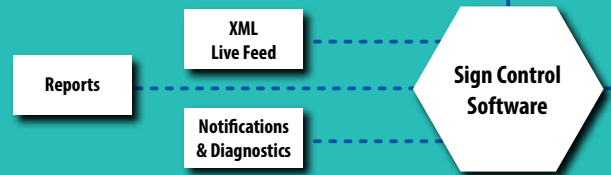
RedStorm can be used as a total count system tracking the number of vehicles entering and exiting a parking garage or lot. It can also be configured as a level by level count system, tracking the number of available or open spaces by level, deck or nested area.

When integrated with Software and Smart Signs, the System has the ability to count cars, report/share data and control Smart Sign messages based on a user's pre-defined schedule or real-time parking occupancy. It's the total parking guidance solution.

RedStorm™ Parking Guidance System



Sign Control & Reporting Software



Smart Sign

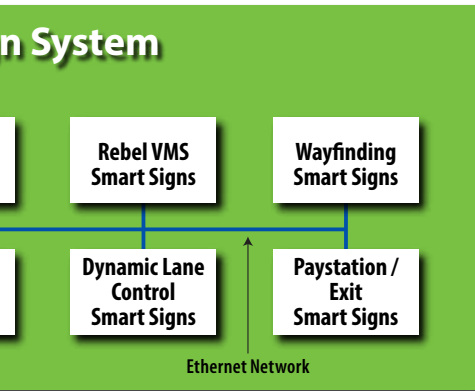
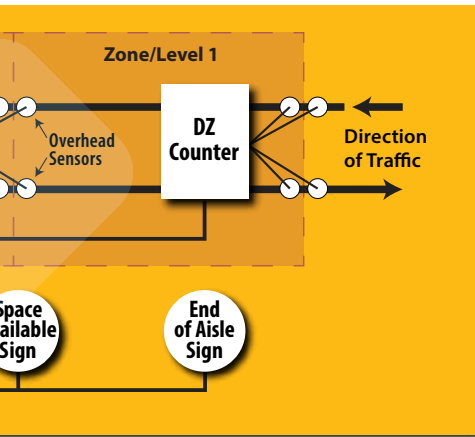


The RedStorm™ Parking Guidance System is versatile and scalable!

7th St Garage			
● 04:14 PM: Online			
Zone	Capacity	Occupied	Available
lev1	418	392	34
lev2	426	273	153
lev3	466	195	231
Sign			
Sign	Status		
Sign 1	0418		
Tower	0034 0153 0231		
Reports			
North Lot			
● 04:14 PM: Online			
Zone	Capacity	Occupied	Available
NorthL	780	745	35
Sign			
Sign	Status		
Sign 2	0035		
Reports			

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7th St Garage

04:14 PM: Online

Zone	Capacity	Occupied	Available	Percent
lev1	418	392	34	93%
lev2	426	273	153	64%
lev3	466	195	231	41%

Sign	Status
Sign 1	0418
Tower	0034 0153 0231

Reports

North Lot

04:14 PM: Online

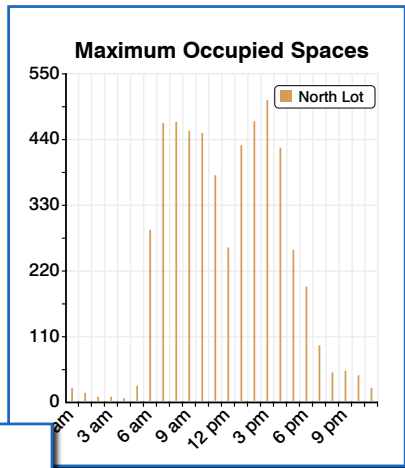
Zone	Capacity	Occupied	Available	Percent
NorthL	780	745	35	95%

Sign	Status
Sign 2	0035

Reports



Desktop & Mobile Management



RedStorm Reports

Type: Zones Report: Occupied

Time: Day

5/4/2017 5/11/2017

Count Percent Line Bar

Download Print

North Lot 7th St Garage

7th St Garage: lev1 7th St Garage: lev2

7th St Garage: lev3

Customized Reports

Add the Sign Control & Reporting Software

And you have the ability to collect and store parking data to your network. Using the software you can monitor, report and share parking activity. The software will manage a single RedStorm System or multiple systems in a campus-style setting.

Update and Personalize Your System

- Adjust counts and capacities within a zone or system
- Assign common names to entrances, exits and transition points to simplify reporting, maintenance and troubleshooting

Notifications and Diagnostics

- Schedule count maintenance by zone
- Send email alerts when atypical system activity occurs

Rich Reporting Functionality

- Customized reports
- Monitor garage usage
- Analyze trends and turnover
- Develop predictive analysis
- Reconcile revenue for theft prevention
- Export data as a .csv file

Supports a Live XML Feed

- Display parking counts in your online applications
- XML data includes: Garage Zone or Level ID, Name, Capacity & Occupancy

Computer Requirements:

Server grade PC with power backup running Windows 7 or Windows Server 2008 or higher.

Minimum Requirements:

8GB RAM and 128GB of hard drive space.

Network Requirements:

• Ethernet • DHCP enabled

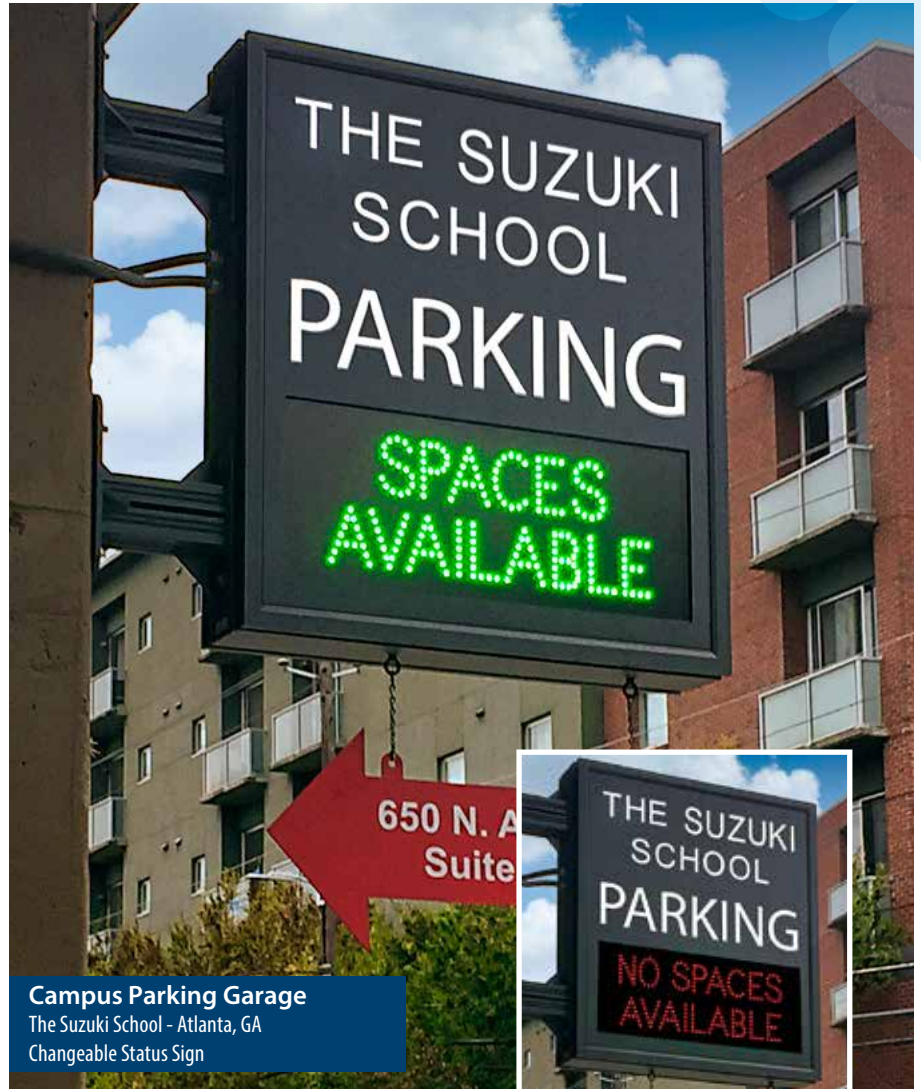
For Automated Sign Control Add Smart Signs

When Smart Signs are added to the System, RedStorm uses real-time parking capacities or a predefined weekly schedule to control Space Available counts and directional Smart Sign messages.

- **Automatically control**
Smart Sign message displays based on day and time of day
- **Direct the flow**
of parking traffic by automatically controlling changeable lane signs based on real-time RedStorm count data
- **Reduce traffic congestion**
Redirect traffic towards available parking based on real-time RedStorm occupancy data
- **Convenience**
Control access to your garage or surface lot using the software on your own network

Approach and Entrance Signs

Control VMS displays and wayfinding messages. Display open counts on remotely located Space Available signs.



Interior Wayfinding Signs

Control traffic flow within the garage or lot. Direct motorists to available parking, ADA spaces, EV charging and more.

Parking Garage
Cosmopolitan Casino - Las Vegas, NV
Level by Level - End of Aisle Space Available Signs



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Choose the Smarter Parking Guidance Solution



Parking Garage
City Centre Parkade - Calgary, Alberta
Spaces Available and Rebel VMS

Entrance Signs

Use real-time RedStorm count data to automatically change an OPEN sign to FULL when the garage or lot reaches capacity.



- Real-time car counting, intelligent sign control and reporting software
- Uses occupancy conditions to redirect motorists to alternate parking with smart LED wayfinding signs
- Ideal for service driven industries with non-revenue control parking garages and lots
- Capable of delivering accurate counts even when tailgating occurs
- Compatible with new and existing 3rd party loop detection equipment
- Supported by a trained network of providers and an engineering team in the U.S.A.

Take
*the guess work
out of finding a
parking space*

System Requirements

RedStorm™ Parking Guidance System

Requires:

- 120–240VAC input power at the SuperMaster Controller
- RS485 Wired Network Bus
- 12–24VDC or 120–277VAC input power at each Space Available Sign

Required when integrated with the Sign Control & Reporting Software:

- A wired Ethernet connection from the SuperMaster Controller to the facility network
- DHCP static IP lease

Sign Control & Reporting Software

Computer Requirements:

Server grade PC with power backup running Windows 7 or Windows Server 2008 or higher.

Minimum Requirements:

8GB RAM and 128GB of hard drive space.

Network Requirements:

- Ethernet • DHCP enabled

Smart Sign System

Each Static Sign Requires:

- A power connection at the sign of either 12–24VDC or 120–277VAC based on sign series
- A wired Ethernet network connection at the sign
- DHCP static IP lease

Each VMS Rebel Programmable Sign Requires:

- A power connection at the sign of 110–240VAC
- A wired Ethernet network connection at the sign
- DHCP static IP lease

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