

SPEEDCHECK-12-HUB

StreetHub™ Radar Speed Sign with Remote Connectivity Data Sheet



Affordable radar speed sign system packed with premium features at no additional cost:

- ✓ Rapid-flashing strobe + stealth mode
- ✓ Mobile app for iOS® and Android™
- ✓ On-board diagnostic status indicators

Built-in wireless connectivity allows for remote, two-way communication:

- ✓ Includes monitoring unit upgrades and over-the-air software and security updates
- ✓ Glance™ cloud-based desktop/mobile software for programming, scheduling and system monitoring
- ✓ Backup battery ensures uninterrupted data collection
- ✓ Extended battery warranty matched to connectivity and support plan
- ✓ Out-of-the-box connectivity within minutes



SPEEDCHECK-12-HUB
12-inch digits for speeds less than 45 mph (70 km/h)

Fully Compliant, Ultra-clear Display

Compliant to MUTCD standards for legibility, including LED color, character and letter height. The bright LED display uses 12-inch digits against a background designed for high-contrast visibility that prevents "88" ghosting—ensuring readability in all weather and lighting conditions. The unique safety mask limits the viewing angle to prevent drivers from watching the display as they pass.

Long-lasting, Reliable Operation

The LED display is housed within a durable, weatherproof aluminum unit and is shielded with a tough polycarbonate window for added vandalism protection. Every solar-powered model is solar-sized by location to ensure year-after-year operation. Carmanah includes a Solar Power Report to prove sustainability over a 12-month period.

Easy Installation and Connectivity

The SpeedCheck® LED display's modular, lightweight design and built-in handle allows a single person to install on a pole or flat surface. The system comes factory prewired and pretested for remote communication—enabling cloud-based access within minutes. Carmanah's comprehensive support system includes product support technologists and our 24/7 on-demand [Product Support Center](#).



MUTCD compliant



Buy America compliant



Solar-sized for every location



Up to 1000 feet radar detection



GLANCE™ SOFTWARE

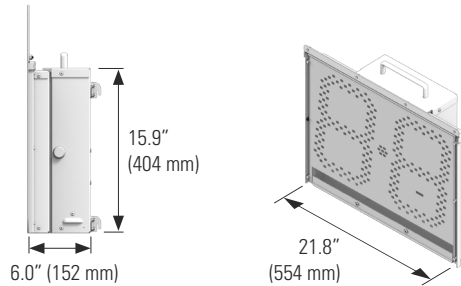
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StreetHub™ Portable Radar Speed Sign Data Sheet

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LED DISPLAY





LED Display and Strobe	Meets MUTCD legibility standards for character height and LED color for roadways with speed limits under 45 mph
	Seven-segment digit design using 224 amber LEDs
	LEDs automatically dim during nighttime operation, minimizing light bounce into neighboring windows
	Includes rapid-flashing strobe with white LEDs at the center of the display (with ON/OFF setting)
Radar	Includes stealth mode for data collection
	Detection range up to 800 ft; extended range option available
Construction	Single-direction, K Band Doppler radar (+/- 1 mph) with 12° radar beam width
	Weatherproof, gasketed enclosure with vents for ambient air transfer
Weight	Corrosion-resistant aluminum chassis with stainless steel hardware
	3/16" polycarbonate window protects digital display from weather and vandalism
	Keyed access prevents sign removal and battery theft
	15 lbs (6.8 kg) without batteries

POWER OPTIONS

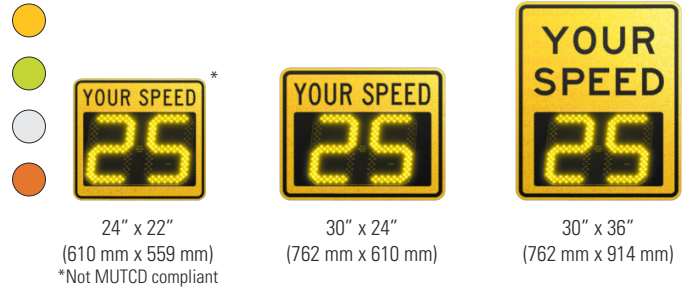
Battery	Includes external battery charger
	Maintenance-free, non-proprietary AGM batteries offer the widest temperature range and longest life
	Batteries can be easily replaced at low cost
Solar	12 VDC operation, solar sized to specific geographic location
	Includes 12-month Solar Power Report to ensure system reliability
AC	System designed for 5+ year battery life
	100-240 VAC in standard configurations

INCLUDED WITH EVERY SIGN

Software and Mobile App	Bluetooth SpeedCheck Manager mobile app for quick changes to high-touch settings
	 
	SpeedCheck Manager PC software for all setup and programming options, including calendar scheduling, data collection
Hardware and Installation Setup	Traffic Analyzer software for data visualization and reporting
	High-powered Bluetooth dongle for up to 50 ft range between SpeedCheck sign and PC
Warranty	Radar installation kit with alignment tool and foam cone
	3-year limited warranty on LED display
Support	Battery warranty matches selected connectivity and support plan
	Carmanah's North American product support technologists available for solution building, solar sizing and troubleshooting
	24/7 access to Carmanah's online Product Support Center database

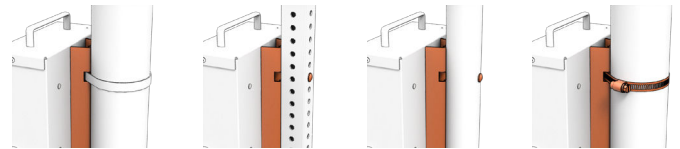
"YOUR SPEED" STATIC SIGN

Sign	Meets MUTCD legibility standards for color, character and height
Sheeting	3M High Intensity Prismatic or Diamond Grade retroreflective sheeting and components
Color	Available in yellow, fluorescent yellow/green, white, and orange



LED DISPLAY MOUNTS

Standard Banding/ Flat Surface	Through Bolt (2" - 2.5" Square Poles)	Through Bolt (2.38" - 2.88" & 4.5" Diameter Round Poles)	Band Clamps (2.38" - 4.75" & 5.5 - 8.25" Diameter Round Poles)
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SOLAR PANEL MOUNTS

Top of Pole Mount



Side of Pole Mount



PANELS	LENGTH	WIDTH
30 W	21.5" (545 mm)	15.7" (400 mm)
50 W	26.3" (668 mm)	21.2" (538 mm)

LEARN MORE ABOUT THE PRODUCT

- [What's a Solar Power Report?](#)
- [Visit the Product Support Center](#)

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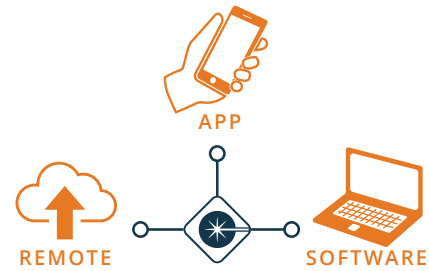
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CELLULAR CONNECTIVITY AND SOFTWARE

Monitoring Unit	Applied Information AI-500-070B (AI-500-071 in Florida) monitoring unit includes cellular modem with GPS, fully integrated and configured from the factory
	LTE wireless broadband network
	Hardware is upgradeable if service provider changes network requirements
	Prewired inputs and outputs to monitor radar speed sign, solar panel, battery, AC power, and system status
	Unit connects to the network every 15 minutes to ensure uptime
	Over-the-air software and security updates
	Non-volatile memory storage and battery backup in case of system power loss
Scheduling and Monitoring Platform	Meets NEMA TS 8 requirements for Cyber and Physical Security for Intelligent Transportation Systems
	8 x 5 x 2 in (203 x 127 x 51 mm)
	Glance™ cloud-based platform for remote radar speed sign scheduling and monitoring
	Compatible with desktop and mobile devices
	Programmable speed settings including speed limit, digit flashing speeds and more
	Easy-to-use calendar with up to 20 unique schedules and unlimited holidays, program delays and overrides
	Stores detailed traffic speed and system data including 85th percentile speeds, battery status, solar panel voltage, AC power status and more
Connectivity and Support	Configurable smart alerts through email and/or text of system issues
	Custom reports available
Connectivity and Support	1/2/3/4/5-year connectivity and support plans available



CONNECTIVE CAPABILITIES

GLANCE™ SOFTWARE: QUICK VIEW

Display Setup and Programming

Scenario
Scheduling
Holidays & Exceptions
Program Delay
Radar

SFB_Carlin Springs WB

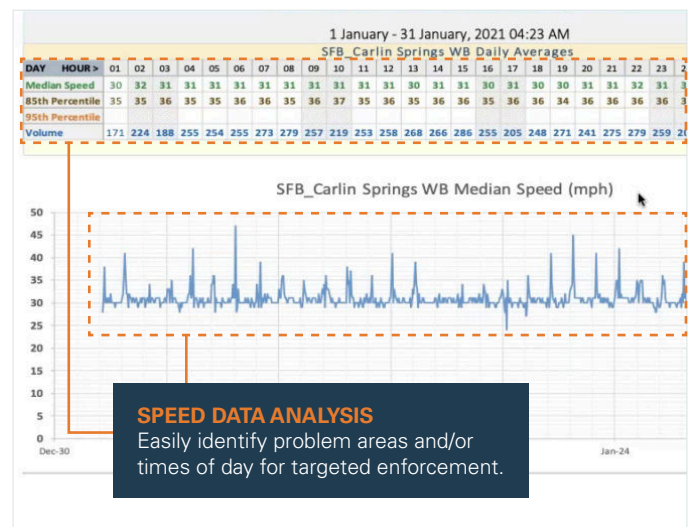
KPH

Sign Mode: Always On
Speed Offset: 00
Speed Limit: 30
Steady Speed: 20
Flash Speed: 32
Slow Down: 45
Max Speed: 45
Brightness: Auto Manual 08

OPERATING MODES
Configure the display's speed parameters: set the road's speed limit, the speeds that trigger the digits to flash, and the minimum and maximum display speeds.

Publish Radar

Data Reporting, Visualization and Analysis



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