SPEEDCHECK-15/18-HUB

StreetHub™ Radar Speed Sign with Remote Connectivity Data Sheet

carmanah®

Quality radar speed sign systems packed with features to maximize effectiveness:

- ✔ Large 15" or 18" LED digits with various static sign sizes
- ✔ Optional "SLOW DOWN" message, strobes and external beacons available
- ✔ High-contrast display provides the greatest readability at a distance
- ✔ Data collection with visualization and reporting software

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

Fully Compliant, Ultra-clear Display

Compliant to MUTCD standards for legibility, including LED color, character and letter height. The bright LED displays use 15-inch and 18-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 prevents drivers from watching the display as they pass. The "SLOW DOWN" message can be programmed to flash at user-defined speed thresholds.

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 modular design makes it easy to repair using standard tools—without removing the device from the pole. 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.

SPEEDCHECK-15
15-inch digits for speeds less than 45 mph (70 km/h)

SPEEDCHECK-18
18-inch digits for speeds equal/greater than 45 mph (70 km/h)

MUTCD compliant

Buy America compliant

Solar-sized for every location

Up to 1000 feet radar detection
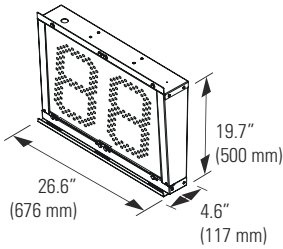
GLANCE™ SOFTWARE

SPEEDCHECK-15/18-HUB

StreetHub™ Radar Speed Sign with Remote Connectivity

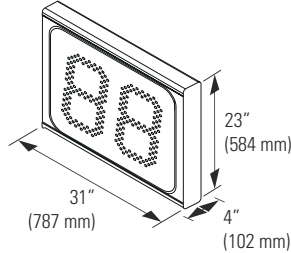1.844.412.8395 | traffic@carmanah.com | carmanah.com

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LED DISPLAY

SPEEDCHECK-15

19.7"
(500 mm)

26.6"
(676 mm)

4.6"
(117 mm)

SPEEDCHECK-18

23"
(584 mm)

31"
(787 mm)

4"
(102 mm)

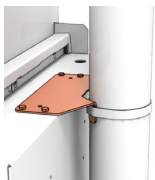|	
LED Display and Strobe	Meets MUTCD legibility standards for character height and LED color for roadways with speed limits under 45 mph and 45 mph and over
	Seven-segment digit design using amber LEDs
	LEDs automatically dim during nighttime operation, minimizing light bounce into neighboring windows
	Includes stealth mode for data collection
Radar	3rd-party tested radar detection range to 1000 ft.
	Single-direction, K Band Doppler radar (+/- 1 mph) with 12° radar beam width
Construction	Corrosion-resistant aluminum chassis with stainless steel hardware
	1/4" polycarbonate window protects digital display from weather and vandalism

OPTIONAL PRODUCT FEATURES

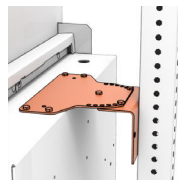|	
Slow Down	Flashes MUTCD-compliant "Slow Down" message when drivers exceed user-defined speed thresholds; available in yellow or red* LEDs
Outputs	Triggers external devices, such as flashing beacons, strobes, or cameras by speed threshold or schedule, or from centralized remote location
	Strobe*: rapid-flashing strobe with white LEDs or red/blue LEDs (for 15" display only)
	Beacons: 12 in (305 mm) or 8 in (203 mm) diameter LED modules, yellow or red
Inputs	Allows external devices to manage display operation with external contact closure and the included wiring harness

* Not FHWA MUTCD compliant

LED DISPLAY MOUNTS

Standard Banding or U-Bolt

Flat Bracket

INCLUDED WITH EVERY SIGN

Software	SpeedCheck Manager PC software for all setup and programming options, including calendar scheduling, data collection
	Traffic Analyzer software for data visualization and reporting
Hardware and Installation Setup	High-powered Bluetooth dongle for up to 50 ft range between SpeedCheck sign and PC
	Radar installation kit with alignment tool and foam cone
Warranty	3-year limited warranty on LED display
	Battery warranty matches selected connectivity and support plan
Support	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

SPEEDCHECK-15 | **SPEEDCHECK-18**

30" x 30"
(762 mm x 762 mm)

42" x 30"
(1067 mm x 762 mm)

48" x 36"
(1219 mm x 914 mm)

60" x 48"
(1524 mm x 1219 mm)

POWER OPTIONS

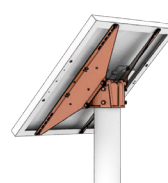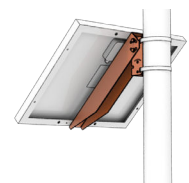|	
Solar	12 VDC operation, solar-sized to specific geographic location
	Includes 12-month Solar Power Report to ensure system reliability
	System designed for 5+ year battery life
AC	100-240 VAC in standard configurations

BATTERY AND CONTROL CABINET

Construction	Weatherproof, gasketed cabinet with vents for ambient air transfer tested to NEMA 3R
	Corrosion-resistant aluminum chassis with stainless steel hardware
	Lockable, hinged door with #2 lock
	Optional padlockable latch
	Raw aluminum finish or yellow, black, or green powder coated
Dimensions	15.7" x 8.2" x 21.0" (399 mm x 208 mm x 534 mm)

SOLAR PANELS AND MOUNTS

Top of Pole Mount

Side of Pole Mount

PANEL	LENGTH	WIDTH
50 W	26.3" (668 mm)	21.2" (538 mm)
80 W	30.7" (780 mm)	26.5" (672 mm)
170 W	59.1" (1500 mm)	26.3" (668 mm)

LEARN MORE ABOUT THE PRODUCT

- What's a Solar Power Report?
- Visit the Product Support Center
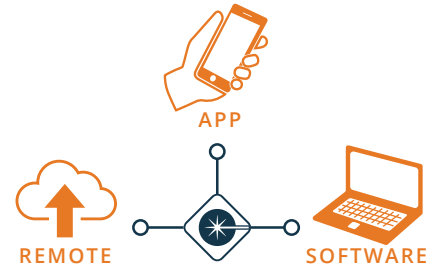
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CELLULAR CONNECTIVITY AND SOFTWARE

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
	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)
Scheduling and Monitoring Platform	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
	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

APP

REMOTE

SOFTWARE

CONNECTIVE CAPABILITIES

GLANCE™ SOFTWARE: QUICK VIEW

Display Setup and Programming

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

Data Reporting, Visualization and Analysis

SPEED DATA ANALYSIS
Easily identify problem areas and/or times of day for targeted enforcement.