



Vantage Velocity®

Bluetooth or Wi-Fi based travel time calculation and performance measurement system



Immediate access to real-time speed and travel time information



Historical data for planning purposes



Collects Bluetooth low energy for highly accurate reads

Fast, easy, accurate travel time capture

Vantage Velocity® takes advantage of the large number of vehicle that are driving with Bluetooth or Wi-Fi enabled devices such as smart phones. Each Velocity reader senses a devices unique “MAC” address as they pass a reader station and transmits the time and location of the device to a central host system. As devices are detected at successive Velocity readers, the Host System calculates average travel times and speeds for a roadway segment. The device specific network address of an individual is totally anonymous.

Simple to install and set up

Field installation is simple; the system can be easily rack or shelf mounted inside a traffic signal cabinet, or as a standalone unit. Various communication methods are available to transmit data to the Host system.

More Benefits

- Real-time data for traffic operations
- High accuracy, simple integration
- Agency owns all data
- Collect either bluetooth or Wi-Fi devices

Specifications

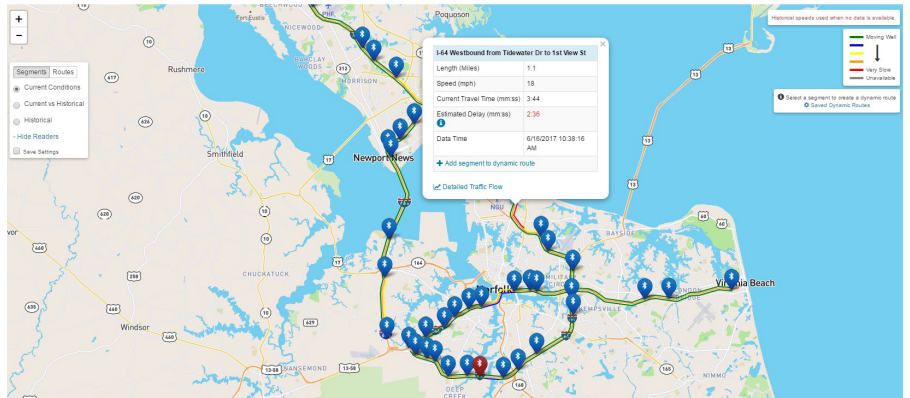
FIELD UNIT

Processor	500MHz ARM9
Processing Method	Asynchronous multi-thread read
Measured Item	Bluetooth MAC address in hexadecimal 00:00:00:00:00 format
Timestamp	To nearest 1 second
Memory	128MB DDR-RAM
	512MB NAND Flash, high-speed (17MB/s)
	2 SD sockets (1 micro-SD, 1 full-size SD)
1/O	2 SATA ports
	2 USB 2.0 480Mbps host/slave ports
	1 RS-232 Port
	Gigabit Ethernet, 10/100/1000 speeds
Power Consumption	Nominal = 1.8W, Max = 2.5W
Supply Voltage	9-28 VDC
Temperature	-34°C to +74°C

MTBF	Greater than 100,000 hours
Dimensions	5.25" x 4.5" x 2.5" (h*w*d)
Weight	1.0 lbs (0.45 kg)
Bluetooth Antenna	Bluetooth 2.0+EDR Class 1
	Multiband Antenna (Cellular and Bluetooth integrated)
Detectable Area	Up to 300 feet (100 meters)
Approvals	FCC Class A
Warranty	3 year limited warranty
	Manufactured in USA

HOST SOFTWARE SERVER REQUIREMENTS

MS Windows XP/7Pro
.NET Framework 3.5 or higher
IIS 6.0 or 7.0
Internet connectivity required for congestion map functionality
Wired or wireless Ethernet connectivity to field unit required



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