NEED TO COLLECT ACCURATE VOLUME, SPEED, AND/OR CLASS DATA ON HEAVY FREEWAY SEGMENTS?

NO PROBLEM. WITH THE NEW WAVETRONIX TECHNOLOGY NDS CAN NOW COLLECT THE DATA YOU NEED.

Call us for our introductory pricing and for all your traffic data collection needs.

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To learn more about the Wavetronix technology read below:

The Wavetronix SmartSensor HD uses the latest technology to collect consistently accurate traffic data in high definition. Patented Digital Wave Radar II™ measures traffic volume, individual vehicle speed, average speed, 85th percentile speed, average headway, average gap, lane occupancy, vehicle classification and presence. Operating at five times the bandwidth, SmartSensor HD has five times the resolution of the original SmartSensor, a detection range of 250 feet and the ability to detect up to 10 lanes of traffic simultaneously.

These vehicle-based detections help raise the performance bar for SmartSensor HD. Sensor configuration is made even easier because configuration no longer affects detection, only the reporting of vehicles. SmartSensor HD's vehicle-based detection even sees lane-changing vehicles that are often missed, or counted twice, by other radar sensors and other technologies.

SmartSensor HD is easy to install and includes a pointing assistant for precise alignment. Like all SmartSensors, SmartSensor HD’s patented auto-configuration process is quick and simple. HD Manager™ detects lanes by observing traffic flow, and immediately provides visual confirmation of a successful configuration. This unique auto-configuration and operation software has been developed especially for Pocket PC handheld devices and laptops.

Dual Radar determines vehicle speed by measuring the delay from one radar beam to the next. This also determines vehicle direction.

After installation, SmartSensor HD requires little or no on-site maintenance. Traffic data and configuration settings are stored in Flash memory, so the sensor can be remotely reconfigured for optimal performance.

And SmartSensor HD is manufactured using a modern, automated process, with surface-mounted components and integrated antennas that provide consistent production and performance.

SmartSensor HD integrates seamlessly with existing legacy systems and is reverse compatible with the original SmartSensor. Dual communication ports enable SmartSensor HD to integrate with different systems simultaneously, and flexible connectivity options make it possible to directly retrofit SmartSensor HD into any existing radar deployment. This, combined with high definition radar and consistent accuracy, makes SmartSensor HD the most accurate, most cost effective traffic monitoring solution.