

Traffic Data Sensor HD

High Def analysis brings traffic management to new levels!



- Real Time Analysis for Fast Response
- Detects and Reports up to 10 Lanes of Traffic
- Vehicle Counting, Occupancy and Speed Detection
- Information Archived for Traffic Pattern Studies
- All Weather, All Condition Performance

Determine traffic conditions in any weather: Use accurate wireless vehicle count and speed detection with illustrated data display software to manage highways and produce public reports to divert traffic.

Product Specifications

- NEMA 250 lexan EXL polycarbonate enclosure
- Up to 10 lanes at 6' to 250' detectable area
- Track 260 data points instantly
- 90% classification accuracy
- 24.0 to 24.25Ghz operating frequency
- Vertical 65° at 6dB / Horizontal 7° at 6dB two way beam
- 9-28VDC operational voltage
- 4 RF Channels
- Easy to install and operate



GSA Advantage!
www.gsaAdvantage.gov
#GS-35F-0719P



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1-800-EARTHCAM
www.earthcam.net

1. Physical

Dimensions: 13.2" H x 10.6" W x 3.3" D (33.5cm H x 26.9cm W x 8.4cm D)

Weight: 4.2lbs (1.9kg)

2. Environmental

Operation Temperature: - 40° F to + 165° F (- 40° C to + 73.8° C)

Accurate Performance: Rain up to 4" (10.2cm) Per Hour, Freezing Rain, Snow, Fog, Wind, Dust

3. Construction

Enclosure is a NEMA 250 Lexan EXL Polycarbonate

Resistant to Corrosion, Fungus, Moisture Deterioration and UV Rays

4. Sensor

Operating Frequency: 24.0 to 24.25Ghz (K-Band)

Beam: Vertical 65° at 6dB two Way Beam, Horizontal 7° at 6dB two Way Beam

RF Channels: 4

Accuracy Per-Direction: Volume 98%-99% Speed +/-3mph(5kph), Occupancy +/-10%

Accuracy Per-Lane: Volume 98%-99% Speed +/- 3mph(5kph), Occupancy +/-20%

Classification Accuracy: 90%

Measured Quantities: 8 Bins Classification, 15 Bins Interval Speed, Presence Data for 10 Lanes, Per-Vehicle Data of Speed, Length, Class, Lane, Range

Detectable Area: Up to 10 Lanes at 6 Feet to 250 Feet (1.8m to 76.2m)

Communication: Full-Duplex RS-232, Half-Duplex RS-485, Baud Rates From 9600bps to 115200bps

Designed For "EarthCam Control Center - Streaming Edition - Robotic with Mobile Support " Software

5. Electrical

Operational Voltage: 9-28VDC, Power Consumption: 8.1Watts Peak

6. Interface and Online Software Features

Software Delivered by Vendor as a Managed Service

Displays Company Log and Project Name

Traffic Visualization Tool Displaying Overview of Current Traffic Conditions, Traffic Gap, Headway, Volume by Class and Lane, and Occupancy of Lane

Configurable Alerts for Change in Flow, Speed and Density That Can Be Sent Via Email

Detailed Graphs Displaying Density & Volume by Lane, Volume by Lane & Class of Vehicle, Speed and Flow Data for Overall and by Approach and Lane, Overview of Triggered Alerts and Volume by Speed Range by Lane and Approach

All Graphs Can Be Viewed by Hour, Day, Week, Month or Year

Capable of Viewing Actual Live Video and Associated Traffic Data

Robotic Pan, Tilt, Zoom Control of Optional Camera System

Multifunction Image Browsing

Overview Map of Traffic Sensor Location

A Multiview Screen to View All Sensors on Project at the Same Time

Graphical Weather Applet Displaying the Ten Points of Local Weather Data and 48-hour Forecast

Map, Aerial and Satellite View by Google

Machine to Machine Self-Healing Technology Automates Maintenance of Camera Up to 288 Times Daily

Account Management Tools Include – Four Levels of Password Protection, IP Address Block/

Permission and SSL Protection of User Login Password

All Images are the Copyright of the Client and Protected on Secure Servers Owned and Operated by the System Vendor