



ImageSensing  
systems



## DeepBlue V-Model Sensor

The DeepBlue Sensor V-model by trafficnow® is a unique, non-intrusive vehicle tracking sensor that detects Bluetooth®, Wi-Fi, and BLE signals. The compact, sleek design allows quick mounting on poles or mast-arm, making it suitable for all roadway environments. The sensor combines maximum robustness for roadside operation with optimal performance through its high-sensitivity Bluetooth module and power internal antenna.

The ideal sensor for getting online travel time information and origin/destination information for improved infrastructure planning.

DeepBlue sensors provide innovative ways to improve mobility on roadways by matching technologies with real meaningful outputs.



### KEY BENEFITS

- Multi-lane detection
- Multiple tracking methods get twice as many matches
- Field proven technology
- Cost-effective solution for traffic management
- Easy to install and configure
- Real-time data
- Vehicle detection and tracking
- Low power consumption



trafficnow



# DeepBlue Sensor V-Model

## SPECIFICATION

### Power Supply

- 12 to 48 VDC
- 3.5W typical
- PoE (Power over Ethernet)

### CPU and Memory

- ARM 9 Processor
- 128 MB RAM / Flash
- Micro SD storage

### Communications

- Ethernet
- Internal modem
- Dual SIM-Card slot
- Remote sensor access

### Operations

- Linux based OS
- LED for operations diagnostics

### Environmental

- -40°C to +80°C
- 9-90% humidity
- NEMA 4x/IP67 housing
- Shock/vibration: NEMA TS2-2003

### Dimensions and Weight

- H x W x L 276 mm x 272 mm x 96.5 mm
- 2 kg

### Detection

- Bluetooth detection internal 15dBi antenna
- Wi-Fi detection
- BLE detection

### Regulatory

- RoHS Compliant
- CE, FCC, IC certified



A screenshot of the trafficnow web interface. The top navigation bar includes the trafficnow logo and sensor ID: 495e5fe5-609-47dd-b697-b3cf797b8. The main content area is titled 'Junction Main/54th' and 'Sensor information'. It features a map of the location in Barcelona, Spain, with a red pin indicating the sensor's position. To the right of the map, sensor details are listed: Name: Deepblue sensor, ID: 495e5fe5-609-47dd-b697-b3cf7cb7, SN: SN2012xxx, SW rev: REV711\_v8, HW rev: REV3\_1.0, Time: Fri Sep 4 14:54:45 UTC 2015, Uptime: 2 hour, 18 min and 19 sec, CPU load: 0, 10, 0.04, 0.05, Mem used: 39648 kB, Bluetooth: 2 channels, Wi-Fi: 1 channel, Modem: Yes, IO board: Yes. Below the map is a 'Quick Configuration' section with buttons for 'Load settings' and 'Save settings'. On the left side of the interface, there is a sidebar menu with sections for 'SETUP' (Home, Network Setup, Modem Setup, Server Settings, Firewall Setup, Time Setup, Users, Firmware Update) and 'STATUS' (Network Status, Transmission Status, Data Captures, Real Time Bluetooth Scans, Real Time Wi-Fi Scans, Diagnostics). At the bottom of the sidebar, there is an 'ADVANCED' section (Advanced Setup, Encryption Setup, Input/Output Setup, TCP-Serial Setup, DeepBlue website).

## CONTACTS

### World Headquarters

400 Spruce Tree Centre  
1600 University Avenue West  
St. Paul, MN 55104 USA  
Phone: +1.651.603.7700  
Fax: +1.651.305.6402  
info@imagesensing.com  
imagesensing.com

### Image Sensing Systems Canada

130 Bridgeland Avenue  
Suite 201  
Toronto, ON M6A 1Z4  
Canada  
Phone +1.416.785.9248  
Fax +1.416.785.9332  
sales@imagesensing.com



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Due to ISS' continuous efforts to develop the products that are most responsive to our customer's needs, the above specifications are subject to change. To verify the current information, please visit the Image Sensing Systems website.