

# DeepBlue

## Sensor



D-model

*Travel time, O/D matrices, incident detection, Online web based applications*

*Bluetooth, Wi-Fi, BLE, GPS, modem, Dual-SIM, Ethernet, Multi-color LED,*

*Wireless device detection, tracking, RTC Battery, Non-volatile memory*

*Field proven, easy set-up and configuration, up to 12 lanes from the side of the road,*

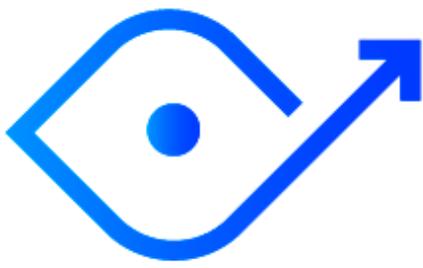
*Cost effective, Low power, Self-diagnostics, Autonomous,*

*Reliable and secure transmission*

With our dedication to continuous development the specifications are subject to change. To verify the current information please visit [www.deepbluesensor.com](http://www.deepbluesensor.com)

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## Sensor

### POWER SUPPLY

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

### CPU & 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  
0-90% humidity  
NEMA 4X / IP67 housing  
Shock/vibration: NEMA TS2-2003

### DIMENSIONS & WEIGHT

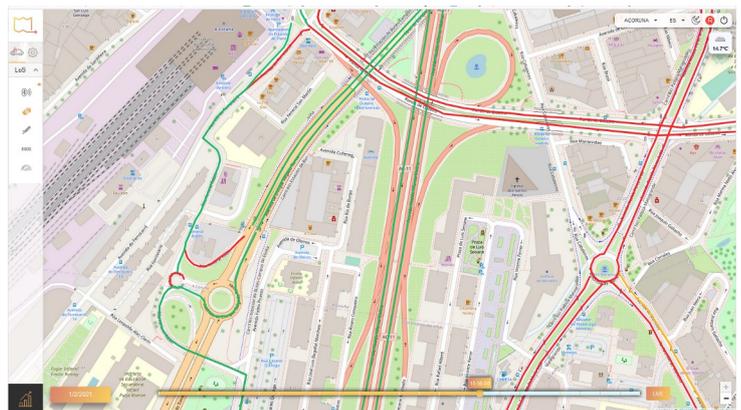
H x W x L 337 mm x 413 mm x 150 mm  
2.65 kg including stainless steel bracket

### DETECTION

Bluetooth, BLE and Wi-Fi  
Dual channel operation  
Two side-mounted 11dB antennas  
110° horizontal angle; 30° vertical angle  
Detects all standard Bluetooth® versions  
More than 500 meters range  
-104dB receive sensitivity

The screenshot shows the trafficnow web interface. On the left is a navigation menu with sections: SETUP (Home, Network Setup, Modem Setup, Server Settings, Firewall Setup, Time Setup, Users, Firmware Update), STATUS (Network Status, Transmission Status, Data Captures, Real Time Bluetooth Scans, Real Time Wi-Fi Scans, Diagnostics), and ADVANCED (Advanced Setup, Encryption Setup, Input/Output Setup, TCP-Serial Setup, DeepBlue website). The main content area shows 'Junction Main/54th' with 'Sensor information' including a map of Barcelona, sensor ID: 495e5fe5-6f09-47dd-b697-b3cf7cb797b8, SN: SN2012xxxx, SW Rev: REV711\_v8, IMEI: 357784044, Name: Deepblue sensor, and other details like Uptime, CPU load, Mem used, Bluetooth, Wi-Fi, Modem, and IO board status. Below is a 'Quick Configuration' section with buttons for 'Load settings' and 'Save settings'.

D-model



### REGULATORY

RoHS Compliant  
CE, FCC, IC certified

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