



Radar Vision



# STUTTART™

## Sonar Detector

The third generation of Stuttgart™ sonar sensors now uses the bluetooth 5 technology to create a wireless mesh network between sensors. In addition, it allows sensors to communicate directly with driver's cellphone apps.

### KEY FEATURES

- Bluetooth range up to 1500 feet
- Selectable AI self-learning function for example Feed forward neural network detection ensure robust target classification and detection
- Self-healing and auto routing mesh network
- Thionyl battery chemistry offers the best battery life in the industry
- Secure communications to receivers and cellular phones
- Programmable digital filters and triggers

**ARTIFICIAL  
INTELLIGENCE  
REDEFINED**

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flexible  
solutions for  
**TRAFFIC**

ENGINEERING  
**EXCELLENCE**

**STUTTGART™**

**Sonar Detector**

## FEATURES

- Temperature calibrated sonar sensor
- Adjustable sensitivity and detection zone
- Wired or wireless capability
- Wireless software update
- Automatic or Central control of LEDs
- Red, Green, Blue and Yellow LEDs
- Direct bluetooth connection to LED sign to display driver's name from cellphone App for reserved parkings

## DETECTOR OPTIONS

### Power Options

- Li-SOCl<sub>2</sub> battery powered
- 12-24 VDC permanent powered

### Communications

- Bluetooth with battery or permanent power
- Bluetooth & RS485 with permanent power

### LED output

- 16 LED, 4 color selectable per LED and direction
- LED flash and brightness control

### Data Aggregator/Receiver

- RS485 / Bluetooth / Ethernet interface
- Direct connection to drive LED signs
- SNMP/NTCIP over TCP/IP interface

## SUPPORTED MOBILE DEVICES

- iPhone 4s +
- Android 4.3 +
- Windows Apollo +

## TECHNICAL SPECIFICATIONS

Characteristic	Min	Max	Units
Storage Temperature	-25	105	°C
Operating Temperature	-20	85	°C
Reaction time	1	15	s
Communication interval	1	300	s
Detection height	0.5	12	ft
Communication range with receiver antenna	0	1500	ft
Transmission power	0	10.5	dBm
Battery life	1	10	years
Size	4 x 4 x 1		inch



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