



STUTT GART™

Nanopod™

The Stuttgart™ vehicle detectors employ the latest 3 axis solid state sensor technology. The sensors are able to detect presence of motor vehicles in outdoor traffic environments. The sensor features ultra-low power wireless bluetooth 5/Mesh network. Batteries can last up to 10 years. These sensors offer a single solution for all the traffic detection needs.

APPLICATIONS

- Stop bar detection
- Traffic adaptive application
- Traffic counting

KEY FEATURES

- Bluetooth range up to 1500 feet
- No receiver required - works directly to bluetooth cellular phone
- Sensitivity adjustable in length, height and width
- Selectable AI self-learning function using feed forward neural network detection to ensure robust target classification and detection
- Self-healing and auto routing mesh network (software option)
- 19Ah, 16Ah, 1Ah Batteries
- Secure communications to receivers and cellular phones

**ARTIFICIAL
INTELLIGENCE
REDEFINED**



flexible
solutions for
TRAFFIC

STUTT GART™

Nanopod™

FEATURES

- Sensitivity adjustable on 3 axis
- Failsafe/Failsecure functionality
- Delay and Extension functionality
- Adjustable auto tune-out delay
- Presence/Pulse mode
- Wireless software update

DETECTOR OPTIONS

Operation Modes

- Access Control
- Parking/User Charging
- Freeway/Highway Counting
- Intersection/Traffic

Installation Configuration

- In-ground enclosure - requires 2.5" core drill
- Compact surface mount enclosure
- Extended surface mount enclosure

Traffic data storage and logging options

- 30 days storage standard
- 12 months storage optional

Data Aggregator/Receiver

- 2-16 channels
- RS485/Ethernet/Cellular

FUTURE SOFTWARE FEATURES

- Speed, Class and Occupancy
- Traffic Adaptive mode

TECHNICAL SPECIFICATIONS

Characteristic	Min	Max	Units
Storage Temperature	-40	105	°C
Operating Temperature	-40	85	°C
Reaction time	50	250	ms
Detection Accuracy	96	98.5	%
Communication interval	50	2000	ms
Detection height	1	36	Inch
Communication range with receiver antenna	0	1500	Ft
Transmission power	0	10.5	dBm
Battery life	1	10	years
Size – In-ground	ø2.3 x 2.3		Inch
Size - Surface mount	0.3 x 2.3 x 1.3		inch
Size – Extended Surface			inches



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Radar Vision Pty Ltd Office 15-16 ·
+27 21 555 3978

US Patent Pending
Spearhead Business Park ·
info@radarvision.org

EPC Patent Pending
Marconi Beam · 7441 · South Africa