

ARMADILLO TRACKER STATS COLLECTOR

Armadillo Tracker is a fully integrated multi-lane bidirectional traffic statistics gathering device. Featuring small size and no-hassle field setup, it is the leading non-intrusive real-time and archiving statistics collector in the world, designed to replace pneumatic road tubes.

Features and Benefits

- World's smallest radar-based stats collection box with target tracking, multi-lane, and bi-directional capabilities
- Ultra-low power consumption allows 2 weeks of run time on built-in batteries and full autonomy with a small solar panel
- Collects individual time stamped vehicle counts, speeds and approximate size class per direction in up to 2+2 lanes making it a perfect fit for traffic monitoring and speed study applications
- Computes real-time, per direction average speed for incident detection applications
- Simple "Point and Go" installation. No measurements, no trigonometric computations, no computer required on the road
- Weatherproof security switch for turning unit on and off
- Beeper to indicate passing vehicles during setup facilitates high-confidence deployment
- Best-in-class 0.4% speed measurement error accuracy and up to 97% count accuracy
- Vehicle classification in 3 factory-set size classes
- On-board memory to store 300,000+ individual vehicles
- High performance LiFePO4 rechargeable battery pack operates in wide temperature range and allows over 2000 recharge cycles
- High speed AC charger for a 3.5hr charge cycle or a standard USB charger for convenient 12VDC car plug or computer charging
- USB, long range (1000'+, line of sight) Bluetooth and RS232 interfaces
- Includes Houston Radar's StatsAnalyzer Windows program to generate reports and graphs of vehicle counts, averages and 85th percentile speeds
- Optional GPS for geo-tagging of collected data
- Optional high performance integrated solar charger with maximum power point (MPPT) technology and solar panel kit
- Optional 4G modem for remote access to data/real time speeds
- Optional integration with Houston Radar's Tetryon Cloud Server for on-demand data analysis
- Certified for license free worldwide operation
- Designed and manufactured in the USA at an ISO9001 certified facility



Temporary Shoulder Mount



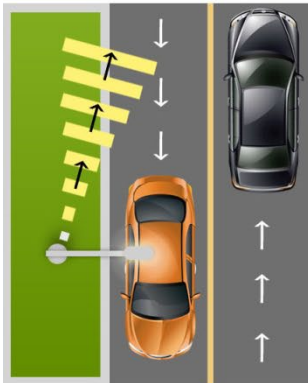
Permanent Median Mount with Solar

Typical Counting, Average Speed and 85 th Percentile Measurement Accuracy				
Radar Installation Location	Number of Incoming Lanes	Number of Outgoing Lanes	Typical Direction Count Accuracy	Average Speed and 85 th Percentile Accuracy
On Side of incoming lane	1	1	97+%	+/- 0.6 mph +/- 1 km/h
On Side of incoming lane	2	X	93+%	+/- 0.6 mph +/- 1 km/h
Median between two directions	1	1	97+%	+/- 0.6 mph +/- 1 km/h
Median between two directions	2	2	93+%	+/- 0.6 mph +/- 1 km/h

Notes:

1. Accuracy numbers are listed for typical free flowing traffic, optimized at up to 1,200 vehicles per hour. Stop and go traffic will have worse accuracy that will depend on actual traffic conditions
2. Armadillo Tracker radar should be mounted 0-12 feet (0-3.7m) offset from the first lane of traffic, or in the middle of a median that is no more than 12 feet (3.7m) wide.
3. Armadillo Tracker radar must be installed per suggested instructions in the User Manual.

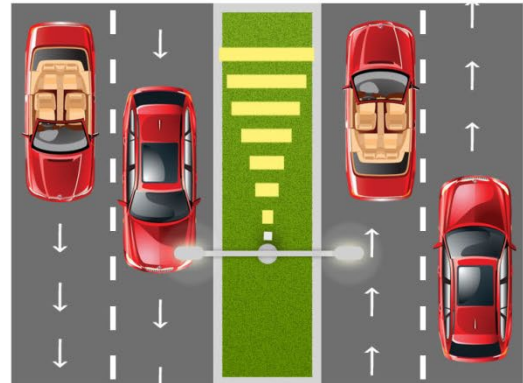
Three Installation Options for the Armadillo Tracker



Armadillo on the side with 1 lane each direction



Armadillo on the side with 2 lanes incoming. No outgoing lanes can be detected



Armadillo on single lane median with up to 2 lanes on each side



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All specifications are subject to change. Accuracy listed is typical and may vary with road conditions and targets.