

MicroRadar™ Next Generation Bicycle Detection



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Growing Need For Bicycle Detection



Increasing bicycle population

- 4 billion trips made annually
- 12% of trips are biking or walking
- 64% increase in bicycle commuters
- Transportation funding shifting to meet bicycle demands
 - 1.5% of federal funding for bike infrastructure
 - 83% of Americans want to increase or maintain funding (including detection)
- Many states considering or mandating bike detection at intersections (CA, WA)



Especially in Texas



- A growing cycling population in Texas
 - Ranks #27 out of 50 bike-friendly states
 - Bike commuters in Houston increased 67% from 2007 to 2010
 - Early adopters: 1% of Austinites are bicycle commuters while Houston's
 .5% is ahead of San Antonio (.2%), Dallas (.2%) and Ft. Worth (.1%)
- Draws more attention and funding from federal, state and civic
 - \$15M committed in 2012 to building/connecting Houston's bike paths by local agencies and federal grants
 - Supported by Federal Highway Administration, Texas Representatives and Houston's mayor
- And will require accurate detection to maintain
 - Safety of cycling community
 - Efficiency of bike infrastructure and management of traffic systems

MicroRadar [™]- Bike Detection



- Differentiates between bicycles and vehicles
- Allows for "True Presence"
- Automatic detects any bicycle type
- Works in all weather
- Eliminates occlusion
- Has a 5 year guarantee



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Benefits - Maximizes intersection efficiency

- Green time allows bicycles to safely cross; while traffic flows when bicycles are NOT present
- Detects all stopped and slow moving vehicles AND works seamlessly with existing vehicle detection system:
 - Within existing Sensys Networks deployments
 - OR with loop, video and radar
- Detection Area provides full lane coverage
 - Single sensor with a user controllable zone up to 11 ft. wide by 9 ft. long
 - Can be used in dedicated and shared lanes





An Optimal Solution for Safety



- Improve Safety & Optimize Green Time
 - Allows bicycles to safely cross
 - Traffic still flows efficiently when bicycles not present



MicroRadar Detection Zone





MicroRadar Detection Area





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Cities Already Implementing MicroRadar







Learn more about MicroRadar at sensysnetworks.com

Identify "problem" intersections & request a sample design from Sensys Networks

Plan for a MicroRadar pilot up & running in less than a week!



THANK YOU brett@sensysnetworks.com (903) 521-9949

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