Wavetronix SmartSensor Matrix

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Wavetronix History

• Company Formed in 2000 by Dr. David Arnold

• Currently 100+ Employees (50+ Engineers)

• Market Leader in Radar Based Traffic Sensor
SmartSensor Family

Advance HD Matrix
SmartSensor Core Technologies
SmartSensor Matrix

- Radar Based Stop-Bar Detection
- Released 1Q 2009
- Uses Ranging Radar to Detect Moving and Stopped Vehicles
Reasons for Choosing Matrix

- Ease of Installation
- Less Intrusive
- Radar Reliability
- True Presence
- Low Maintenance
Ease of Installation

- Pull Wire
- Mount Brackets
- Hang Sensors and Align
  - All at One Time
- Connect Cabinet Wiring
  - Color Coded Wire and Connectors
- Configuration
Sensor Placement

Mounting Location

- Mount sensors on both sides of the intersection to achieve sufficient coverage at very large intersections.
Matrix Google Earth Overlay
Less Intrusive  Easy Integration
Radar Reliability

- Used in Military and Marine Applications
- Matrix Based on Wavetronix FMCW Radar
- Unaffected by Weather
- Unaffected by Wind
- Unaffected by Light Changes
Low Maintenance

• Sensors Require No Cleaning

• Not Affected by Minor Pole Shifts

• 2-Year Warranty with Additional 3-Year Extension if Desired
Questions/Comments