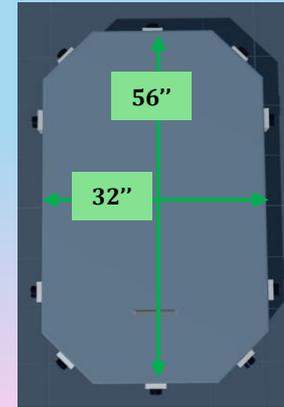
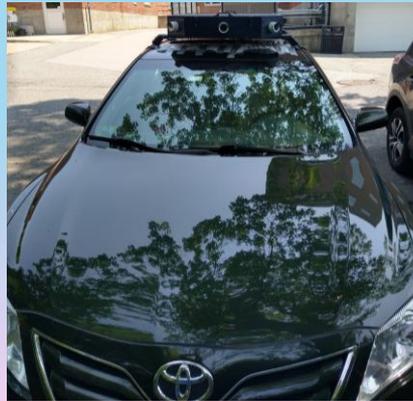
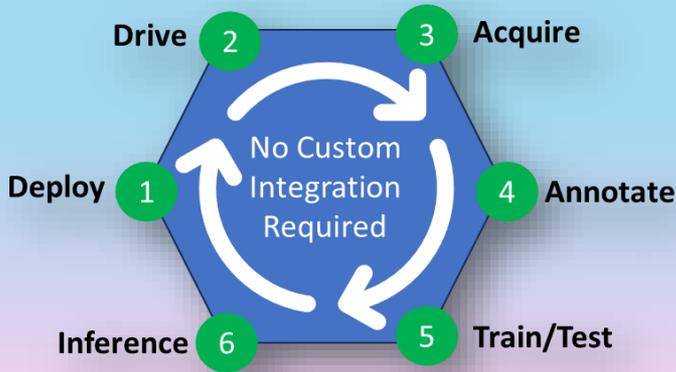


RoadSense360™

All-Weather Multi-Modal Perception Platform



RoadSense360™ Solution Specification

Up to 10 Cameras with 360-degree coverage

RGB & Near IR cameras: 5 MP at 60 fps

Integration of GPS, 9-axis IMU, and OBD-II port

Fully synchronized fusion data on a frame level

Open Street Maps (OSM) integration

Edge AI with HPC and GPU-acceleration

Weatherproof enclosure for all-weather operation

Custom integration of Radars & Lidars

Wide range of reference AI/ML models

Hardware ✓



Data ✓



Software ✓



AI/ML Models ✓

Applications

- **ADAS/ADS/AV:** Sensing, object detection, tracking, perception & validation
- **Infrastructure:** Roads, bridges, tunnels, highways, sidewalks, smart cities
- **Public Safety:** Mobile situational awareness, crowd monitoring, incident detection

Business Impact

- ✓ Faster AI development cycles
- ✓ Lower cost & risk
- ✓ New data monetization opportunities

Why It Matters

- ✓ Removes integration bottlenecks and enables scalable real-world AI data pipelines.



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RoadSense360™ *All-Weather Multi-Modal Perception Platform*



360° Object Detection

Multi-camera simultaneous detection



Semantic Segmentation

Road scene understanding



Spatial Fusion + Detection

Time-sync GPS/IMU/camera fusion



High-Quality Road Data

Multi-view synchronized capture



Lane Detection – Daytime

All-weather data collection



Lane Detection — Nighttime

Infrared camera, zero-light conditions

Real World Data — Captured & Processed with RoadSense360™



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