



# Holographic Intersection Solution

## Solution Overview

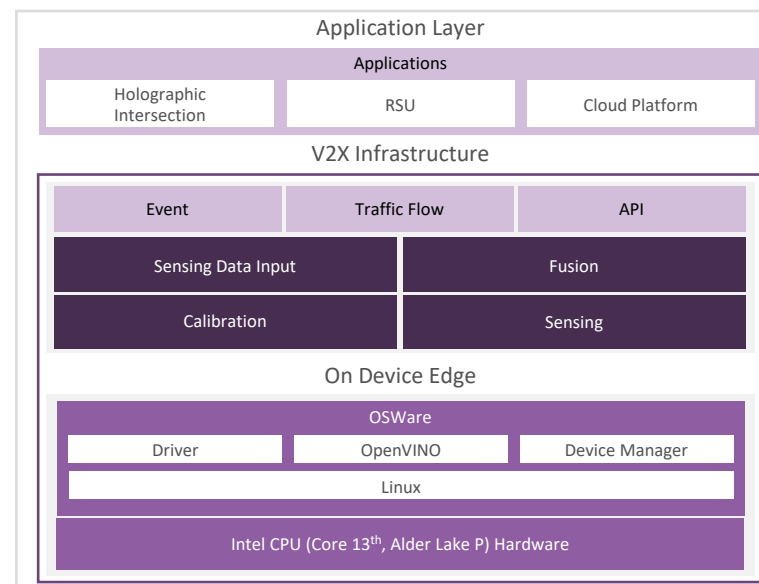
In the realm of Cellular Vehicle-to-Everything (C-V2X) applications, roadside sensing equipment is responsible for capturing information such as traffic object and environmental information that's used to deliver vital communications to vehicles and their operators, alongside other traffic management edge compute functionalities. The Thundersoft Holographic Intersection Solution provides a foundation for digitizing the transportation industry with roadside sensors, edge computing devices, and a cloud control platform to acquire real-time, high-precision, and low-latency traffic information and infrastructure data. This data is leveraged to enhance traffic efficiency and safety with dynamic time assignment of traffic lights, dynamic lanes, regional traffic optimization, and accident handling applications. By adopting this comprehensive approach, the Thundersoft Holographic Intersection Solution elevates overall traffic management, helping to ensure smoother and safer journeys for all road users.

## Value Props

- Enhance traffic safety and efficiency with intelligent transportation that integrates technology into transportation management to provide commuters with immediate information about traffic and intersections.
- Promote the development of connected vehicle technology by harnessing telematics and traffic data to provide services for networked cars and help advance transportation technology.
- Advance the development of smart cities with real-time insights and analysis of traffic patterns, volume, and congestion to enable dynamic traffic control that makes travel safer, smarter, and more efficient.

## Intel Components

- Intel® Core™ i7 processors
- Intel® Core™ i9 processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Xeon® SP Silver
- Intel® Open Visual Cloud (OVC)



Target Vertical:  
Transportation & Warehousing

Target Use Case:  
Situational Monitoring

Secondary Use Case:  
Control Optimization & Autonomy

Geo Availability:  
Americas, APC, EMEA, PRC

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Solution Webpage  
[Thundersoft Holographic Intersection Solution](#)

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