



## Contact Us

Sunnyvale, USA  
Core R&D center and North American  
Business development Center

+01 (650) 963-9573

160 San Gabriel Dr., Sunnyvale,  
CA 94086, U.S.A.

Frankfurt, Germany  
European Business Development  
Center

+49 6196 96988 01

Frankfurter Str. 92  
65760, Eschborn, Germany

Suzhou, China  
Core R&D and Business Development  
Center

+86 0512-67888711  
info@cn.seyond.com

3F/4F/5F, Building 9A, Yangtze River Delta  
International R&D Community, Qinglonggang  
Road, Xiangcheng District, Suzhou

## Vehicle Overlimit Management Solution

Based on High-performance Image-grade LiDAR











# Vehicle Overlimit Management Solution

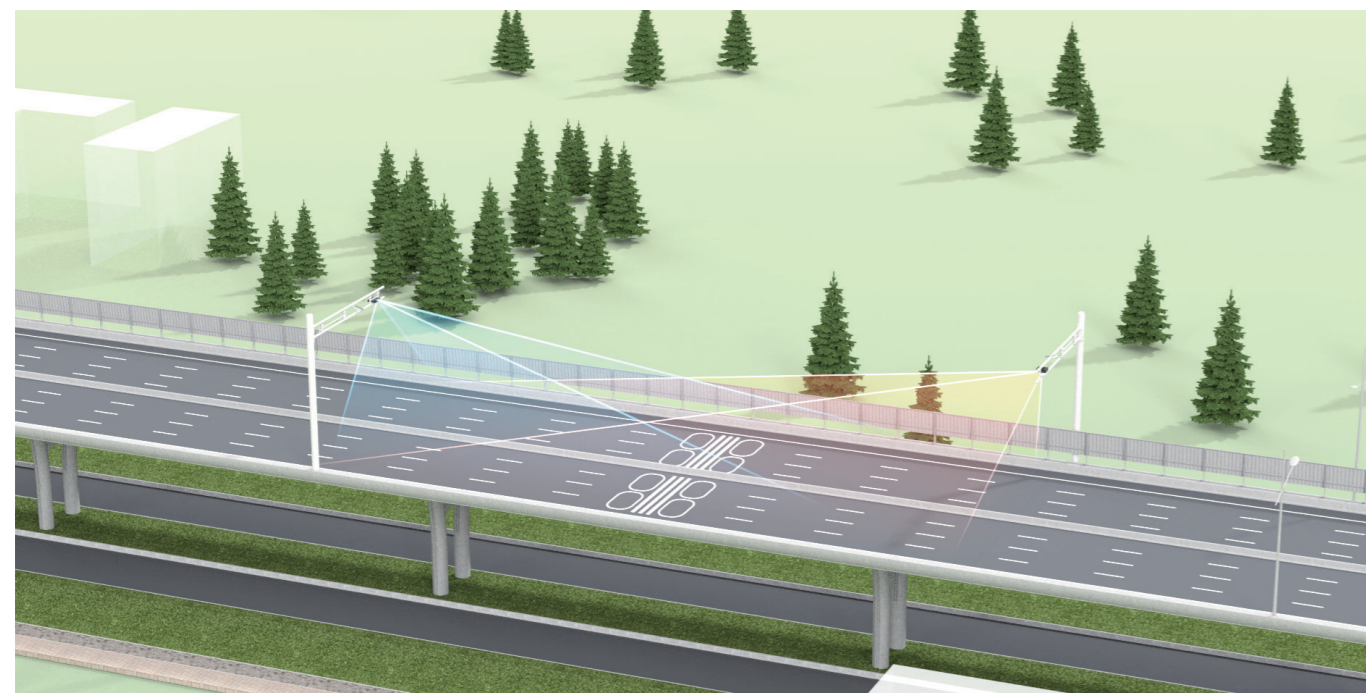
Based on High-performance Image-grade LiDAR

- Based on Innovusion's high-performance LiDAR and algorithm, OmniVidi for VOM provides 360° 3D perception with high-precision of vehicle 3D size information for traffic management.
- This is a revolution on redefining the solution of monitoring oversized vehicles. It can be applied to various scenarios like state highway, bridge, and tunnel etc. to prevent accidents or impacts on traffic flow caused by height, length, and width violations.

## Competitive Advantages





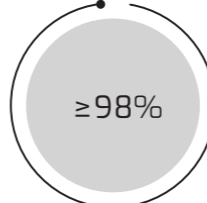
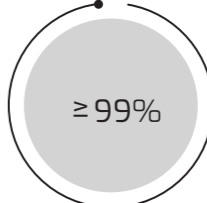
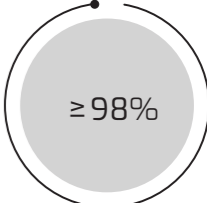
 Centimeter-level Car Dimension Detection	 Millisecond-level Position and Trajectory Tracking	 Diversified Application Scenarios	 7×24H Reliability
 360° 3D Perception	 High Detection and Trigger Precision	 Easy Deployment and Maintenance	 Driving Violation Detection

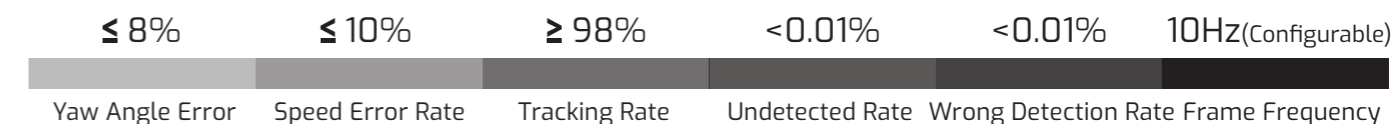
## Deployment



## Functions


 Car Dimension Detection	 Signal Trigger	 Weaving Driving Detection Precision	 Traffic Flow Analysis
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 Length Measurement  ≤ 20CM Width Measurement  ≤ 10CM Height Measurement  ≤ 10CM	 Trigger Rate Accuracy	 Occupy Multiple Lanes Detection Accuracy	 Traffic Flow Analysis Accuracy
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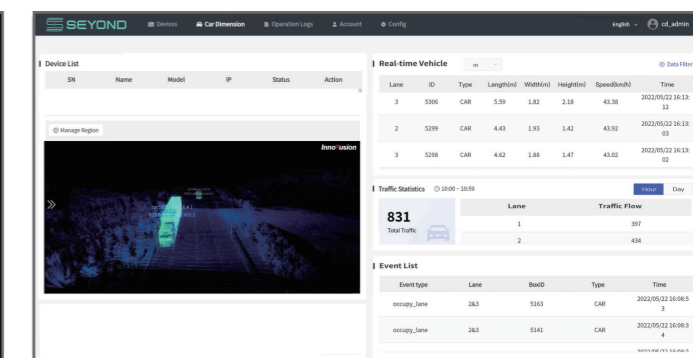
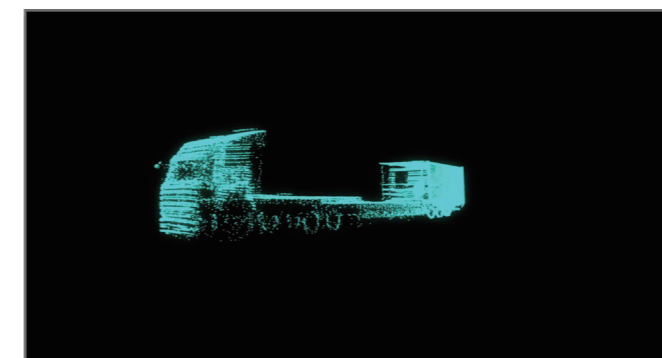


\*Data of merging area of two LiDARs

## System Configuration

 LiDAR×2	 MEC	 Switch	 OmniVidi for VOM
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## Display



## Customer Benefits

- Alternative solution of current single-line LiDAR, with high detection and trigger precision, traffic flow and vehicle speed monitoring, and illegal driving behavior detection.
- Save additional costs on new infrastructure such as poles, easy deployment and maintenance with no impact on traffic flow.
- Applicable to diversified scenarios like state highway, bridge, and tunnel etc. to prevent oversized violation by weaving driving, occupying multiple lanes, and driving against traffic.