



LOOKOUT™ SOLUTION GUIDE

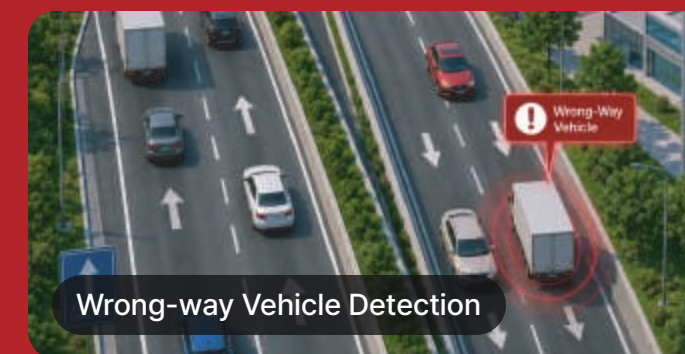
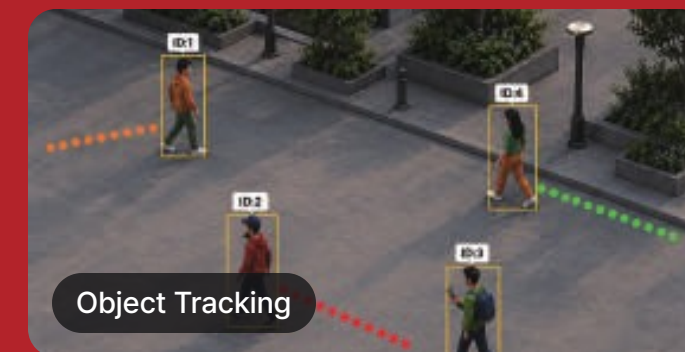
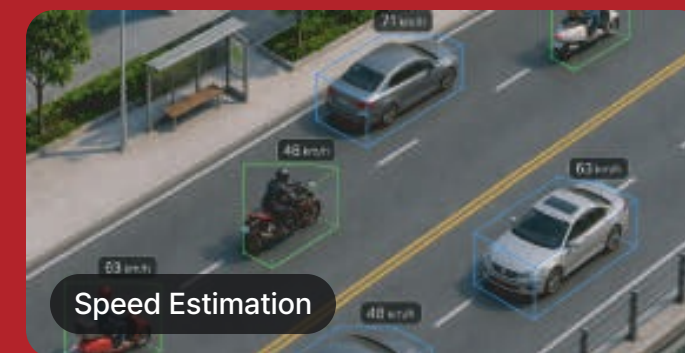
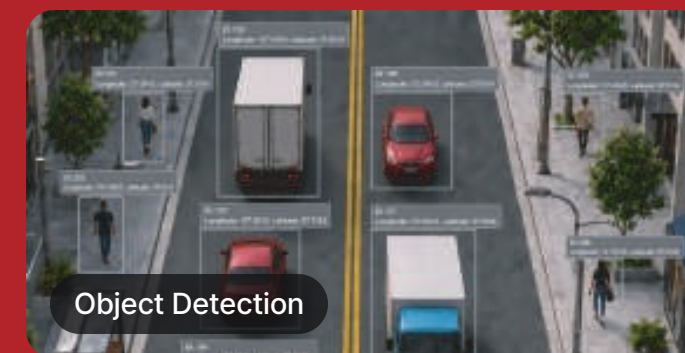
Safer Spaces, Smarter Business

The Smart Infrastructure Solution, LookOut™

Converting roads, airports, ports, and logistics sites into real-time data assets using 3D LiDAR point clouds.

www.vueron.com/vueron-lookout

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Delivering the Ultimate in Tech Safety and Reliability

Trusted by over 50 global partners and domestic partners for its high performance and rigorous quality standards, our certified solution guarantees unmatched stability and proven reliability.

High Performance

Waymo Benchmark Leader
Ranked #1 worldwide in the 3D Semantic Segmentation category.

Adaptability

Universal Sensor Compatibility
Software compatible with all sensors, regardless of manufacturer or product type.

Safety & Trust

Proven Track Record
Validated stability by numerous global OEMs, Tier 1 suppliers, and government agencies, backed by ASPICE CL2 certification.

Converting roads, airports, ports, and logistics sites into real-time data assets using 3D LiDAR point clouds.
By flawlessly detecting people, vehicles, and zones, our unified system monitors everything from traffic flow and crowd density to collision risks and security breaches. Operating uninterrupted at night, in harsh weather, or in blind spots, it integrates with legacy control systems to maximize both site safety and operational efficiency.



3 Core LiDAR Technologies: From Scanning to Seamless Integration

01

Spatial Data Assetization

3D LiDAR point clouds convert roads, airports, ports, and industrial sites into real-time spatial data.

02

Unified Perception System

By precisely analyzing people, vehicles, and zones, a single system clearly interprets traffic flow, crowd density, collision/intrusion risks, and on-site trajectories.

03

24/7 Uninterrupted Safety & Efficiency

Operating flawlessly from low light to harsh weather and blind spots, it syncs with existing systems to drastically boost safety and efficiency.

Resolving Industrial Challenges with 3D LiDAR Solution, LookOut™

Going far beyond simple detection, LookOut™ is transforming operations across diverse sectors, including roads, airports, ports, manufacturing, and defense. Discover our tailored use cases that proactively address your site's challenges from traffic optimization to worker safety and perimeter security.

Roads·Rail

Measures and analyzes traffic flow and incidents at intersections, roads, and railways using LiDAR.

Traffic Volume & Flow Analysis

Vehicle-Pedestrian Collision Prevention

Parking & Space Utilization

Airports·Aviation

Monitors passenger congestion, ground handling safety, and unauthorized entry into restricted areas 24/7.

Security & Immigration Queue Analytics

Vehicle-Pedestrian Collision Prevention

Intrusion Detection & Hazard Zones

Ports·Shipbuilding

Monitors smart yard logistics, ship block inventory, and shipyard safety.

Intrusion Detection & Hazard Zones

On-Site Movement & Logistics

Manufacturing·Logistics·Construction

Detects entry into and exit from high-risk zones and tracks the movement of autonomous equipment.

Intrusion Detection & Hazard Zones

Dock, Heavy Equipment & Forklift Tracking

Buildings·Commercial·Public Facilities

Analyzes crowd density, queues, and parking and space utilization in real time.

Crowd & Queue Management

Parking & Space Utilization

Defense·Energy·Security

Detects perimeter intrusions at critical infrastructure sites and responds with unmanned surveillance.

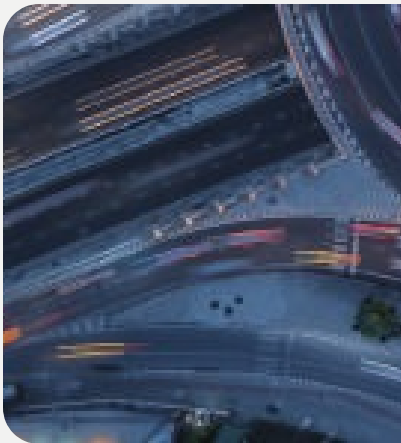
Intrusion Detection & Hazard Zones

USE CASE

Explore LookOut™'s Proven Use Cases Across Industries

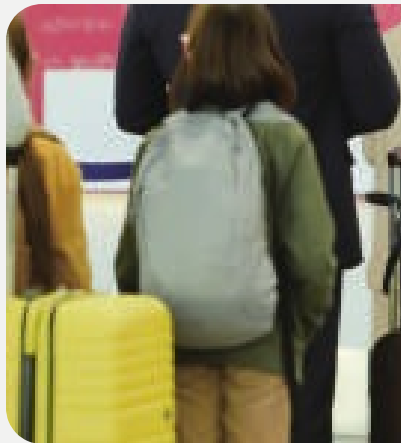


Explore More Use Cases
blog.vueron.com



Roads·Rail

Beyond One-Off Traffic Counts:
Continuous Traffic Flow
Analysis and Incident Detection



Airports·Aviation

A Solution That Accurately
Measures Airport Congestion
Without Identifying Passengers'
Faces



Defense·Energy·Security

A Solution That Tracks
Movement Even in Darkness and
Blind Spots to Guard the
Perimeters of Critical National
Infrastructure



Manufacturing·Logistics·Construction

A Solution That Detects
Dangerous Proximity Between
Forklifts and Workers in Real
Time



Buildings·Commercial·Public Facilities

A Solution That Transforms the
Value of Commercial Spaces
with Movement Data Without
Privacy Concerns



Ports·Shipbuilding

A Goliath Crane Collision
Prevention Solution That
Detects Even Unregistered
Obstacles in Shipyard Yards

Looking for use cases that fit your site?

Contact Us →

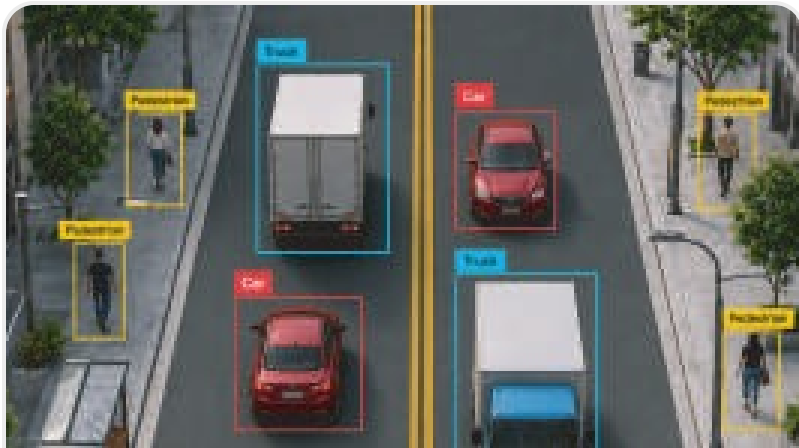


Real-Time Spatial Data Capabilities Powered by LookOut™

Going far beyond simple video recording, explore the precise, multi-dimensional real-time data extracted by LookOut™ in 3D space including position, speed, crowd density, trajectories, and potential collision risks.



Object Detection



Object Classification



Object Counting



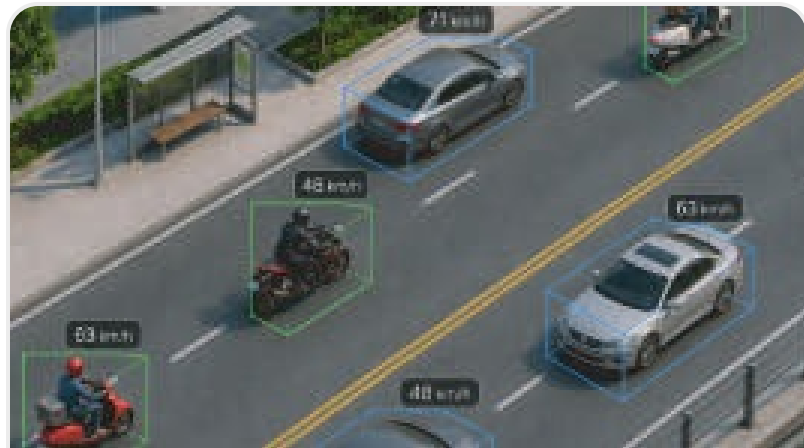
Object Tracking



Zone Intrusion Detection



Congestion Analysis



Speed Estimation



Wrong-way Vehicle Detection



CONTACT

Safer Spaces, Smarter Business

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Curious how LookOut™
fits your site?



**LookOut Solution
Website**



Contact Us

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