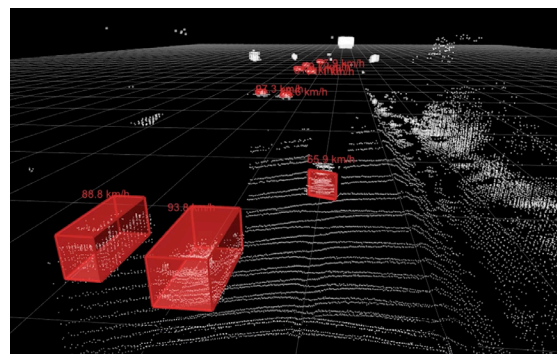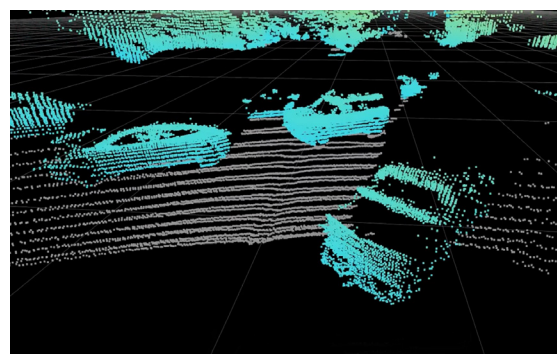# MAVIN®

High-resolution lidar performance for long-range applications and seamless vehicle integration

Key Features

- ▶ Customizable, low-profile, single-box solution
- ▶ Perception software enables object detection, classification, and tracking
- ▶ High resolution at range: Detecting and identifying small objects at highway speeds
- ▶ Low latency data enabling near real-time processing
- ▶ Robust beam steering: MEMS mirrors, no rotating macro components
- ▶ Low profile and low power for smooth integration and deployment
- ▶ Custom ASICs optimized for low power consumption and cost reduction
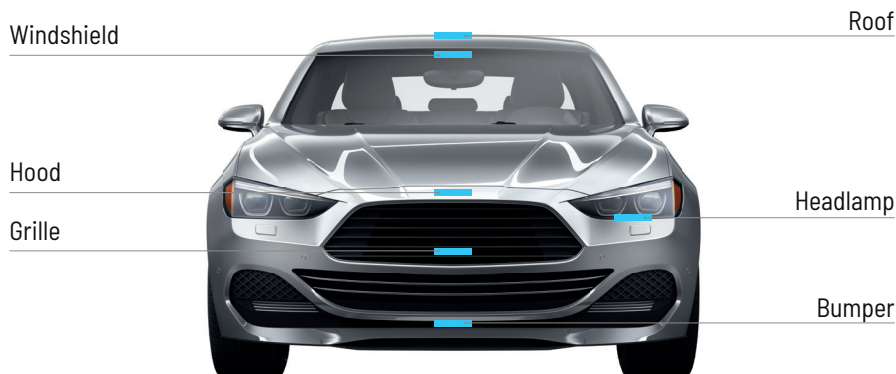

Safe mobility at the speed of life®

MicroVision®

Technical Data

Feature	Specification
Maximum FOV (H x V)	60° x 22°
Resolution inside ROI (H x V)	0.05° x 0.045° / 0.05° x 0.015° (interlaced)
Range	220 m
Data output frame rate	20 Hz
Point / s	5.3 M
Laser safety compliance	IEC60825-1 Class 1
Wavelength	905 nm
IP rating	IP 69k

Integration Possibilities on OEM Architecture

Windshield

Roof

Hood

Headlamp

Grille

Bumper

Technology & Innovation

Resolution at Range
Detecting and identifying smaller objects from longer distances

Robust beam steering
Micro-scale MEMS mirrors, no rotating macro components

Selectable Field of View
Selectively disable laser beams in specific sectors for special applications

Low Latency
Enabling autonomous systems to make quicker decisions for safer outcomes

Compact Design
Engineered for precision and reliability, and designed for seamless vehicle integration

Cost Reduction
Lower total system costs due to powerful onboard processing capability

MicroVision®