

MAVIN[®] N

Dynamic range performance with object detection, classification, and tracking

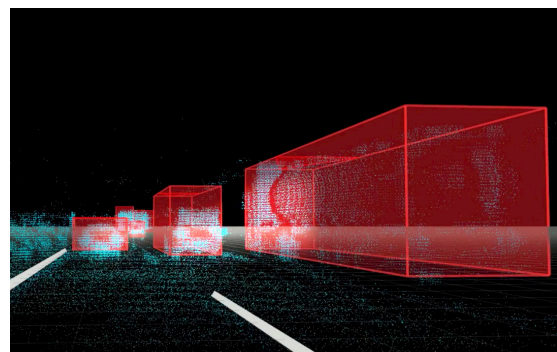
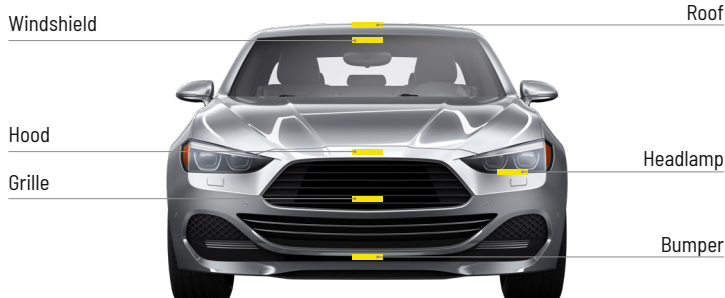


Key Features

- ▶ Customizable, low-profile, single-box solution required by automotive OEMs
- ▶ Perception software enables object detection, classification, and tracking
- ▶ Small object detection at highway speeds of 130 km/h (80 mph)
- ▶ Low latency data
- ▶ IEC 60825-1 Class 1 with patented Pixel by Pixel Automatic Emission Control
- ▶ Low-profile and low power for smooth integration and deployment
- ▶ Custom Analog and Digital ASICs* optimized for power and cost reduction

*planned for series

Integration Possibilities on OEM Architecture

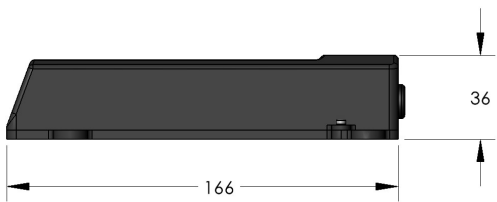
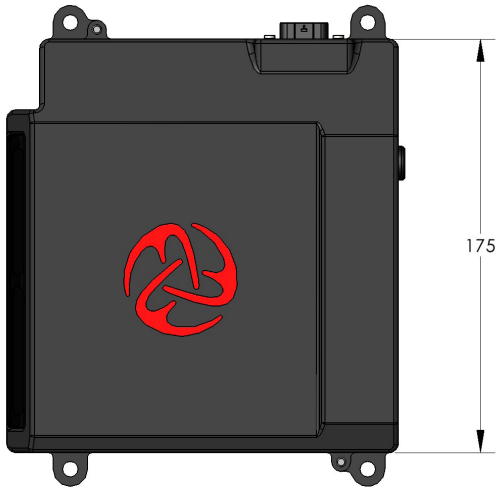


Safe mobility at the speed of life[®]



DS0140020 Rev B
MAVIN® N

Feature	Specification
Maximum FOV (HxV)	120° x 30°
Maximum Resolution (HxV)	0.05° x 0.05°
Data output frame rate	Up to 20 Hz
Point / s	Up to 14 M
Laser safety compliance	IEC60825-1 Class 1
Wavelength	905 nm
IP rating	IP 69
Bounding box size	175 mm wide, 36 mm tall, 166 mm deep



Subject to change without notice. 2024-05



Dynamic Field of View
Seeing obstacles clearly at short- and long-range simultaneously



Resolution at Range
Detecting and identifying smaller objects from longer distances



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
Requires fewer and less expensive sensors as MAVIN® integrates multiple solutions into one compact unit