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

Windshield
Roof
Hood
Headlamp
Grille
Bumper

Safe mobility at the speed of life®
### MAVIN® N

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

**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

Subject to change without notice. 2024-05

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