



GROUND POSITIONING RADAR:

Delivering Production ADAS and Autonomy that works in the real world

GPR powers the highest performing autonomous and assisted driving on the road by providing the world's most precise and reliable positioning system. This is done by creating and tracking to a 3-D radar map of the road's unique subterranean signatures, enabling precise vehicle positioning regardless of poor weather or visibility, faint road markings, or other conditions that stop autonomous vehicles that don't have GPR in their tracks.

● Performance Comparison Chart:

Ground Positioning Radar™	Other Vehicle Positioning Sensors including Lidar, Camera, and GPS
<p>Maps that Don't Change</p> <p>The subterranean map is stable over time allowing positioning regardless of changes on the surface</p>	<p>Maps that are Quickly Stale</p> <p>Relies on above-ground landmarks which can change with time or can be blocked by weather, moving vehicles, or people</p>
<p>Unparalleled Reliability & Availability</p> <p>Unaffected by adverse weather like snow and heavy rainfall, off-road conditions, and areas with poor GPS</p>	<p>Unreliable in Dynamic Conditions</p> <p>Unusable amid poor visibility, blocked signals, or unclear lane markings</p>
<p>Robust On the Road</p> <p>Independent of other positioning sensors with no aesthetic impact on vehicle design and no need to be kept clean</p>	<p>Must Be Cleaned & Can Alter Vehicle Aesthetic</p> <p>Optical sensors must be kept clean to function and are mounted on the vehicle body, negatively impacting design</p>

Safeguarding the autonomous driving experience

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