

Radar Revolution. Delivered.



The future of driving depends on perceiving the world with unparalleled accuracy. Nothing can be missed; every detail matters. Arbe, a publicly traded leader in high-definition radar solutions, is paving the way forward with groundbreaking Perception Radar technology. Our commitment to capturing every detail delivers unmatched reliability and resolution, providing a critical foundation for advanced driver assistance systems and autonomous driving.

Revolutionizing Radar for All-Scenario Safety



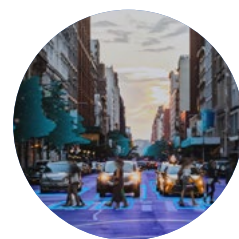
Unmatched Radar Image Quality

Perception Radar image is 100 times more detailed than any other radar on the market, tracking VRU, detecting object boundaries, eliminating false alarms, and more.



Perception In All Conditions

Ultra-high resolution radar technology achieves the industry's only radar-based free space solution, including at long range with a wide field of view, in all lighting and weather conditions.



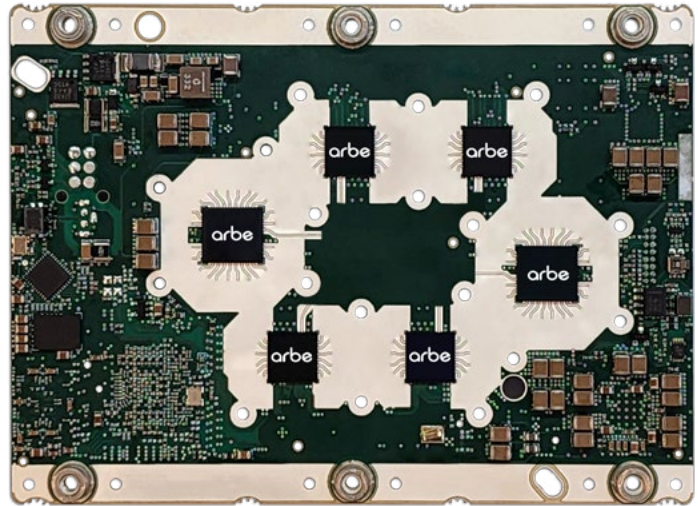
Trustworthy Data for Fusion

When paired with cameras in the sensor suite, Perception Radars ensure superior data redundancy and diversity to become indispensable to sensor fusion.

A Quantum Leap in Radar Technology

Current sensing technology isn't reliable enough for truly safe hands-free driving in all scenarios. It lacks robustness to smoothly navigate the complex situations, long distances, and higher speeds that drivers expect.

Arbe's pioneering Imaging Radars bridge the gap, surpassing mere "seeing" by analyzing and understanding their surroundings. Our powerful technology enables:



Superior Object Detection

Precisely pinpoints pedestrians, even in darkness, and accurately identifies obstacles for a safer driving experience.

Extended Range & Awareness

Provides ample time for reaction by sensing objects at greater distances compared to conventional systems.

Robust Performance

Conquers difficult scenarios like rain, fog, and dense urban traffic, eliminating phantom braking and ensuring reliable operation.

Key to this breakthrough is Arbe's proprietary chipset with a massive channel array leveraging over 2000 virtual channels, and dedicated processor: the first and only radar processor capable of efficiently managing the massive data generated, equivalent to 3 terabits per second.

Our Customers and Partners

Arbe is entering mass production and actively collaborating with major car manufacturers and leading Tier 1 suppliers worldwide.

These industry giants are choosing Arbe's technology to power their next-generation radar systems, transforming driving and creating safer roads for all.

In addition to our primary market, passenger vehicles, Arbe technology also serves trucking and transportation, AGVs and delivery pods, heavy machinery, autonomous shuttles and robotaxis, traffic surveillance, and more.

We Are Arbe

Founded in 2015, Arbe revolutionizes radar technology for the automotive industry and applications beyond. Focused on overcoming existing radar limitations, Arbe developed proprietary massive array chipsets and algorithms, the largest in the industry. In 2021, Arbe listed on NASDAQ, transitioning from a startup to a publicly traded company. With headquarters in Tel Aviv and offices in the USA, Germany, and China, Arbe is powered by a team of expert semiconductor engineers, radar specialists, and data scientists, with a majority dedicated to R&D. This relentless pursuit of innovation is reflected in its advanced radar semiconductor technology, making Arbe a leading supplier for top Tier 1s and OEMs.