

# Arbe chipset empowers HiRain's LRR610 4D imaging radar systems set for mass production by the end of 2024

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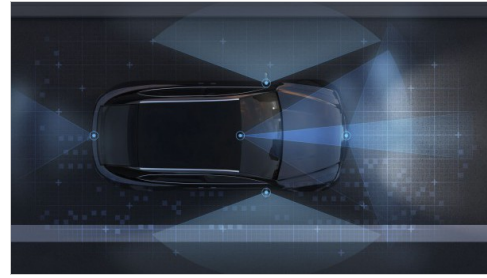
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## HiRain gears up for 1 million kilometers of data collection with the LRR610 Imaging Radar

Arbe Robotics announced that its tier 1, HiRain Technologies, a provider of intelligent driving solutions to car manufacturers in China, has announced that it will begin the mass production of state-of-the-art 4D imaging radars by the end of 2024, according to a press release on Jan. 25. HiRain recently reached a significant milestone in this journey with the successful development of a high-performance B-sample (a production intent system design).



*Source: Getty Images*

HiRain is currently positioned to embark on a rigorous data collection phase, with plans to cover 1 million kilometers using a vehicle fleet equipped with LRR610 Imaging Radars, powered by the Arbe chipset. This development initiative is designed to optimize the fusion and perception system, which enables key automotive safety and comfort features.

HiRain's LRR610 Imaging Radar features:

- **Wide field of view:** 120° (azimuth) × 30° (elevation) coverage delivers comprehensive monitoring of multiple lanes and surrounding environments.
- **Long-range detection:** With a reach exceeding 350 meters, the LRR610 ensures the early detection of vehicles and obstacles ahead, enhancing overall driving safety.
- **High-resolution and dynamic range:** Enables accurate separation of a variety of targets, distinguishing a motorcycle near a truck or a pedestrian near a fence.
- **All-weather reliability:** Resilient to weather conditions, the LRR610 operates seamlessly in rain, snow and fog, assuring consistent performance regardless of environmental challenges.

## CONTACTS

### The Americas

+1 877 863 1306

### Europe, Middle East & Africa

+44 20 7176 1234

### Asia-Pacific

+852 2533 3565

[www.spglobal.com/mobility](http://www.spglobal.com/mobility)

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