

# Gen 8 Radars

## The Future of ADAS

The innovations integrated into the Gen 8 radar family increase performance, with longer range, higher accuracy and a wider field of view.

### Improved Detection Range



### Key Benefits

- Enable faster reaction times and smoother response at highway speeds
- Detect and differentiate multiple objects simultaneously
- Improve performance and support for adaptive cruise control, automatic emergency braking, navigation on autopilot

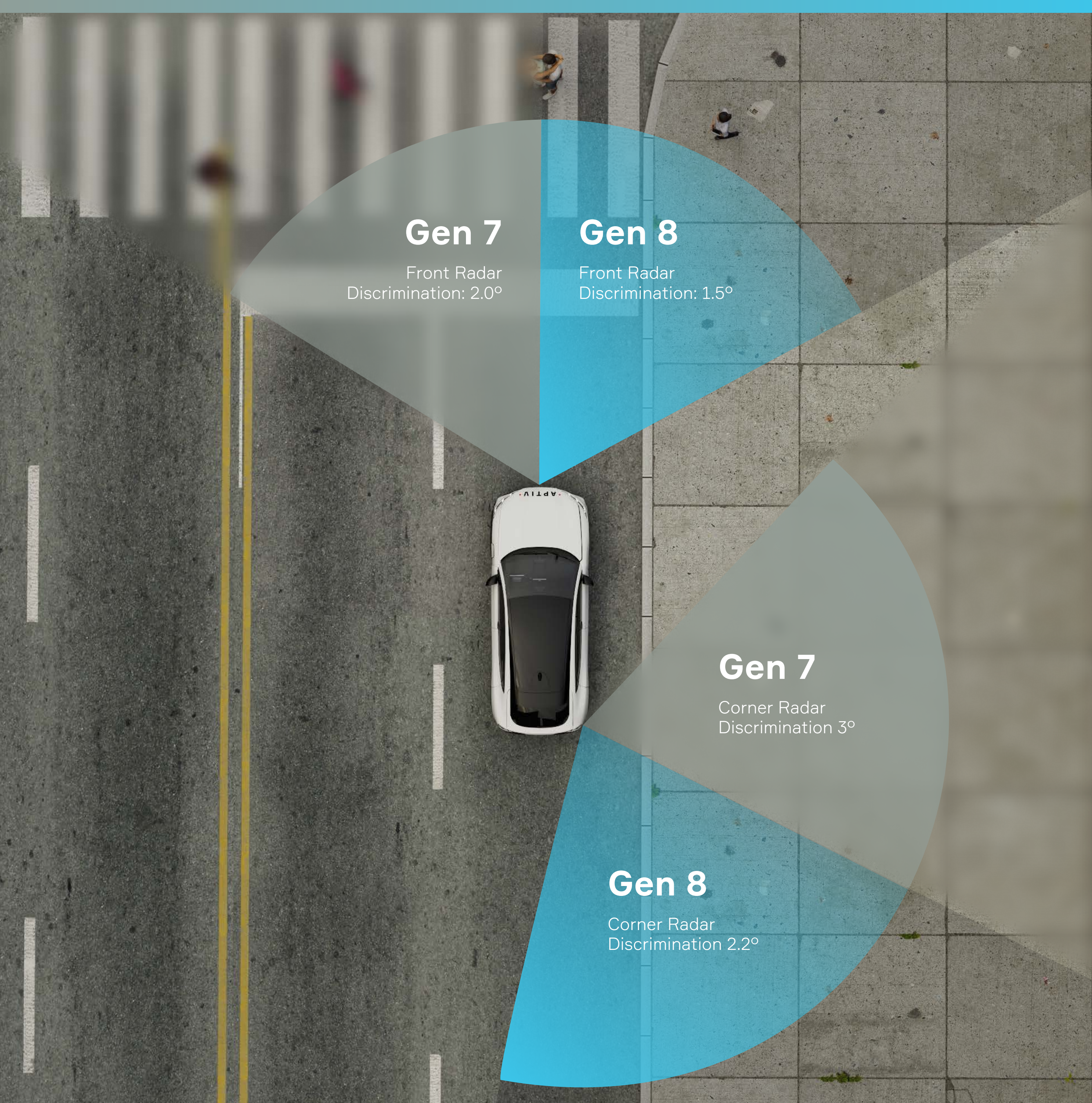
### Key Benefits

- Identify small objects/vulnerable road users close to vehicle
- Distinguish between stationary objects
- Measure over/under-drivability on highways and in dense urban areas

### Enhanced Elevation Angle



### Enhanced Resolution and Dynamic Range



### Key Benefits

- Detect and distinguish smaller hazards
- Detect and distinguish objects that are close together
- Improve comfort and safety on highways and in complex urban scenarios

### Key Benefits

- Increase channels for industry-leading vertical measurement capabilities
- Add channels without increasing system complexity
- Improve target discrimination and field of view while maintaining range

### Double the Number of Channels

