

• APTIV •

Gen 8 Corner Radar | SRR8+



Product Overview

The SRR8+ is Aptiv's premium high-performance corner radar. It supports advanced short-range functionalities such as low-speed maneuvering, frontal automatic emergency braking, advanced parking capabilities and cruise control. It reliably supports higher levels of automation through industry-leading safety and convenience features. A custom SoC provides a step-change in performance while optimizing cost, and the extended 32-channel hardware increases performance further. The ultra-short HD scan (UWB mode) enables short-range parking-assist features. It also supports AI/ML-based perception.



Key Benefits

- Built-in Aptiv IP **enhances radar performance without additional cost**
- 4D radar enables perception for **higher levels of automation**
- **Double the number of channels** for better object tracking
- Ultra-short range HD scan (UWB) supports **advanced parking capabilities**
- **Future resilience** is achieved through compatibility with zonal architecture, optional Ethernet interface, and the ability to add ML for higher levels of autonomy
- **Wide range of driving use cases** is enabled through capabilities such as over/under-drivability



Key Value Drivers

- Dual-mode radars enable **short-range parking features**
- **25% improved** azimuth angle accuracy and **75% improved** elevation angle accuracy compared to previous generation
- **Flexible application** that supports standalone, satellite and streaming architectures
- Proven track record of 25+ OEM customers and 20+ years of radar history
- Meets **Euro NCAP 2025 5-star** specification support, and will support compliance of **NCAP 2026 and beyond, as well as FMVSS 127**

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TECHNICAL DETAILS

Hardware

ANTENNA ARRAY

32 channels

INTERCONNECT

CFD2xCFDEth100

Performance

DETECTION RANGE, RESOLUTION*

200m, 0.2m

AZIMUTH ANGLE DISCRIMINATION*

2.2°

Supported Architecture

Standalone

Satellite

Autonomy Solutions

L0-L2

L2+

L2++

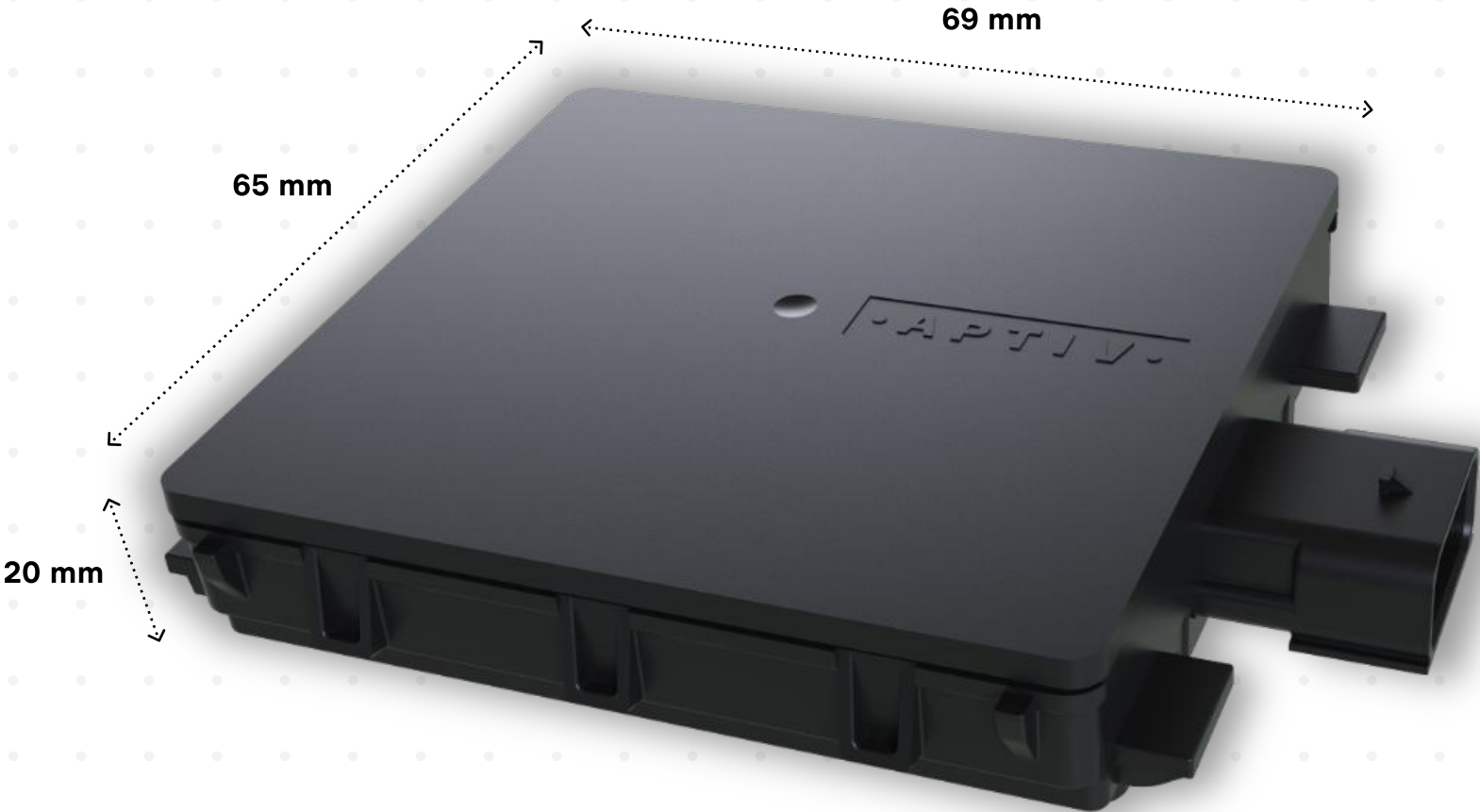
L3

Core

Plus

Pro

Ultra



RANGE*	Motorbike Detect (5dBsm)	200m
	Resolution (Bin Size) Normal / Parking	0.2m / 0.1m
SPEED*	Resolution (Bin Size)	0.09m/s
	Accuracy	±0.05m/s
AZIMUTH ANGLE*	Coverage	±75°
	Discrimination	2.2°
	Accuracy	±0.5°
ELEVATION ANGLE *	Coverage	up to ±30°
	Discrimination	4.0°
	Accuracy	±0.5°
PACKAGE SIZE* (mm³)		69x65x20
INTERCONNECT: 100Mb/s & 1Gb/s Ethernet (for “R” version) & CAN-FD		

* Pd = 50% Swr III; Nom radar; ambient temp; with CI, -4dB Facia, 3° misalignment
~KPI's dependent upon specific installation and use conditions and final design
Package size dimensions may change