














# Falcon K2

Ultra-long Range LiDAR



- Equipped with a brand-new ASIC chip, power consumption is significantly reduced
- Unequaled combination of high resolution and ultra-long detection range
- Proven automotive grade reliability and lifetime
- Extensive coverage of ADAS, smart city, highways and rail

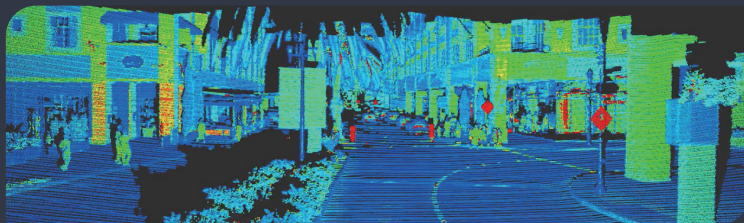
## Key Specifications

 1m~500m(250m@10%) Detection Range	 120°×25° FOV	 0.06°×0.06° ROI Resolution(HxV)	 10FPS Frame Rate
 Equivalent 350 lines Scanning Lines / Layers	 -40°C~85°C Operating Temperature	 IP67(body), IP69K(window) Water and Dust Protection	 1550nm,Class1(IEC-60825) Laser
 60mm×228mm×150mm Dimension(H×W×D)	 1.7kg Weight	 20W Power Consumption	

## Applications

 ADAS	 Smart City	 Highways	 Railways	 Ports	 Shipping	 Mining	 Robotics
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## About Seyond



Seyond is a leading global provider of image-grade LiDAR technology, powering a safer, smarter and more mobile world across the automotive, intelligent transportation, robotics and industrial automation sectors. Founded in Silicon Valley with strategically placed research and manufacturing facilities across the globe, Seyond is crafting LiDAR solutions that elevate advanced driver assistance systems and fuel the advancement of smart infrastructure development.

## Contact Us

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## Performance



Detection Range (Maximum)*	500m
Detection Range (10% Reflectivity)*	250m
Detection Range (Blind Area)	1m
FOV*	120°×25°
Non-ROI Resolution*	0.18°×0.24°
ROI FOV*	120°×4.8°
ROI Resolution (H×V)*	0.06°×0.06°
Distance Accuracy	±2cm
Distance Precision	2cm(1σ)
Scanning Lines / Layers*	Equivalent 350 lines
Frame Rate*	10FPS

## Reliability



Water and Dust Protection	IP69K(window), IP67(body)
Operating Temperature	-40°C~85°C
Laser Wavelength	1550nm
Laser Safety	Class1(IEC-60825)

## Electrical & Interface



Operating Voltage	9~16V DC
Power Consumption	20W
Data Interface	1000Base-T1 Ethernet (UDP, TCP/IP)
Data Output	3D Points, Intensity or Reflectivity
Time Synchronization	NTP, PTP, gPTP

## Mechanical



Dimension (H×W×D)	60mm×228mm×150mm
Weight	1.7kg

\*: Configurable. For more information, please contact Seyond.