



Falcon Platform

Ultra-long-range LiDAR



Falcon K24

Ultra-long-range LiDAR

Key Features

- 500-meter ultra-long detection range with image-level ultra-high resolution
- The ROI field of view is flexibly adjustable, enabling high-quality point cloud data capture from any installation position
- in harsh environments
- manufactured for automotive use in mass production; stable and reliable



Core Parameters

detection range	1.5m~500m(250m@10%)
Field of View (HxV)	120° ×25°
RO Angle Resolution (HxV)	0.06° ×0.06(ROI)
frame rate	10FPS
Laser Beam*	Line 300
working temperature	-40℃~85℃
Waterproof and dustproof rating	IP67 (body); IP69K (window)
Laser wavelength range and safety standards for human eyes	1550nm, Class1(IEC-60825)
Size (HxWxD)	60mmx228mm x150mm
weight	1.7kg
power dissipation	20W
Line count calculation method = VFOV / ROI angular resolution	



Assisted Driving/Autonomous Driving; Smart Cities; Smart Highways



Smart Rail Transit



Smart Port

Smart Shipping



Unmanned Mining Card

General Robotics