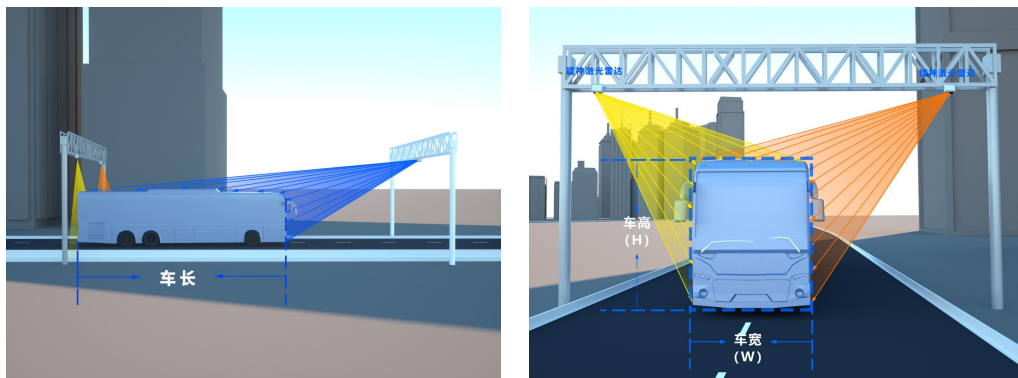# HS Series Fast Scanning LiDAR

Abstract

HS series high-speed scanning LiDAR has excellent detection accuracy. Its measurement range is up to 70m, and distance accuracy is ±3cm. 120Hz high scan frequency can easily sense high-speed movement objects in time, and accurately capture vehicle contour information. Widely used in dimension measurement of vehicle or goods ,high-way ETC activation, high /speed limitation measurement, vehicle counter detection, vehicle types classification, traffic jam statistics, etc.

Demo

Parameters

Model	HS1
Channel	1
Measurement Technique	TOF
Wavelength	905nm
Laser Classification	Class 1（Eye-safe）
Range	30m@10%
Accuracy	±3cm
Data Points Generated	53,000 pts/s
Rotation Rate	40 Hz , 80Hz, 120 Hz ,160Hz
FOV	120°
Resolution	40Hz: 0.09° / 80Hz: 0.18° / 120Hz: 0.27° /160Hz:0.36°
Operating Voltage	9V~ 36V DC
Communication Interface	Ethernet
Operating Temperature	-40℃ ~ 65℃
Shock Test	500m/sec² , last11ms
Vibration	5Hz-2000Hz, 3G rms
IP	IP67
Weight	1600g
Dimension（L·W·H）	155 * 107.5 * 90mm