1535nm LASER RANGEFINDER

Model: LRF8061

OVERVIEW

This high-precision pulse laser rangefinder module is meticulously crafted using its proprietary erbium glass laser technology. By effectively detecting the returning signal of emitted laser pulses, it becomes an essential tool for achieving accurate distance measurement to targets.

The device is technologically mature, with reliable performance, capable of accurately measuring the distance of both stationary and moving targets.

Project	**Technical Parameters**	
Laser wavelength	1.54μm	
Ranging capability	30m~8000m	2.3m×2.3m vehicle target, 0.3 diffuse reflectance, visibility ≥8000m
	30m~14km	Energy intensity ≥ 18000m, 0.3 large reflectivity target
Voltage of operation	4.5V~16V	
False alarm rate	≤1%	
Quasi measurement rate	≥98%	
Minimum geodesic range	30m	
Standby current	≤0.01A (8V power supply)	
Divergence angle	≤0.35mrad	
Accuracy	0.25m~±2m	
Frequency of operation	1 Hz, 5 Hz, emergency 10Hz	
Ranging logic	First and last target selection	
Output interface	RS422	
Storage property	Storage life 12 years	
Dimension	56×48×33mm	
Weight	88.5g	
Operating temperature	-40°C~+ 55°C	
Temperature of storage	-50°C~ +85°C	