

LRF Specification

	Model			
Items	CA2K	CA3K	CA5K	CA10K
Measure Range	5 ~ 2,000 meters	5 ~ 3,600 meters	5 ~ 5,000 meters	5 ~ 10,000 meters
Ranging Accuracy	±0.4m ± 0.05 % * distance	±0.4m ± 0.05 % * distance	±0.4m ± 0.05 % * distance	±0.4m ± 0.05 % * distance
Laser Wavelength	905±20nm	905±20nm	1535±20nm	1535±20nm
Laser Power	Class 1, <1mW	Class 1, <1mW	Class 1, <1mW	Class 1, <1mW
Standby Power Consumption	≤ 200mW	≤ 200mW	≤ 2W	≤ 2W
Measuring Power Consumption	≤ 900mW	≤ 900mW	≤ 5W	≤ 5W
Supply Voltage	3.6V~5V	3.6V~5V	10V~14V	10V~14V
Weight	12.5g	25g	85g	TBD
Size (mm)	27.8*26.3*13	49.3*40.5*25.7	62*43*32	TBD
Communication protocol	UART/TTL			
Operation Temperature	-20°C ~ 80°C			
Storage Temperature	-40°C ~ 80°C			
Compliance	RoHS directive (Restriction of Hazardous Substances) and Reach directive (Registration, Evaluation, Authorization, and restriction of Chemicals)			
* Applies for well reflectivity target over 90% reflection (e.g: Kodak whiteboard), 25°C, with a low reflectivity target, could decrease measuring range and increase errors which may defer by target and environment situation.				