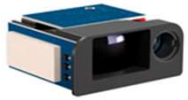
905nm Laser Ranging Module Selection Table

Spec	Small volume				Middle distance			Long distance	high frequency
Module series	J5A30	J5A30 II	J5A30 III	J5AH0	J5A20	J5A60	J5A90	J5AG0	J5R90
Product display									
Size(mm)	26*28*13	30 *16.2 *27.3	30.5x26x15.8	31*21*13.6	Φ23*47	39.9*22.5*29	50*42.8*25	52.4*43*24	57*42*26
Weight	14±1 g	10 g	14.2 g	7 g	20 g	31 g	36.5 g	45.8 g	37 g
Material(shell)	aluminum alloy	plastics	aluminum alloy	Plastic shell	aluminum alloy		plastics	aluminum alloy	plastics
Laser Spot size	8mrad			3~5mrad	3~5mrad			3~5mrad	3~5mrad
Measurement frequency	≥1Hz			＞100HZ	≥1Hz			≥1Hz	2kHz
Accuracy	0.5m+L*0.1% m			L*3% m	0.5m+L*0.1% m			0.5m+L*0.1% m	10cm，≤10m； L*1%，＞10cm
Data Interface	TLL				TLL			TLL	TLL
Working voltage	DC 3.3V~5V	DC 3.3V~5V	DC 3.3V~5V	DC 3.5~5.5v	DC 3.3V~5V			DC 4~5V	5.1V
Power consumption	Standby:<0.54W close range: ＜ 0.63W Long distance:<1.35W	Standby:<0.3W Close range: ＜ 0.4W Long distance: ＜ 0.8W	Standby:<0.54W Close range: ＜ 0.63W Long distance:<1.35W	80mA@5V	Standby: ＜ 0.6W Close range:<0.7W Long distance:<1.5W			Standby power consumption ≤ 0.8w; Peak power consumption ≤ 5w	＜2w
Storage temp	`-40～+70 ℃			`-20～+70℃	' -40～+70 ℃			`-40～+70	`-40～+70
Working temp	`-20~+60℃			`-10~50℃	'-20~+60℃			`-20~60	`0~55
Range	Measurement range (meters)								
≤40M				√					
0.2-270M									√
5~300M	√	√							
5~600M		√			√		√		
5~800M	√								
10~1000M	√	√			√		√		
10~1200M	√				√		√ (1.8mrad)		
10~1500M	√				√	√	√		
10~1800M							√		
10~2000M						√			
10~2500M			√			√			
10~3000M								3500M√	