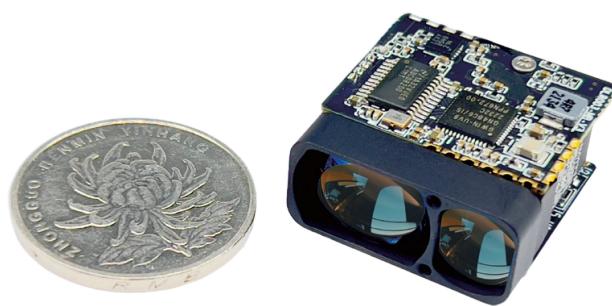


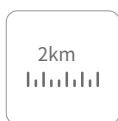
SR Series

Eye-Safe Laser Rangefinder Module

This product is based on 905nm semiconductor laser and adopts the SWaP design, with the smallest dimensions for its comparable performance. Applications of the device include handheld rangefinders, light UAVs, range-finding scopes, etc. It has Uart (TTL_3.3V) data transmission interface and provides upper computer software and communication protocol command set to facilitate users' secondary development.



Product Highlights



Long Distance



Class 1 Eye-Safe



Light Weight



Compact Dimensions



Stable Performance



Multi-pulse Rangefinding

Applications



UAV Pods



Handheld Laser Rangefinder



Handheld Device



Rangefinder

Specifications

Model	SR600	SR1200	SR2000
Basic Features			
Laser Wavelength		905±5nm	
Eye-safe Class		Class 1(IEC 60825-1)	Class 3R(IEC 60825-1)
Laser Divergence Angle		~1×6mrad	~1×12mrad
Rangefinding Performance (for buildings)	5~600m	5~1200m	5~2000m
Measuring Accuracy		±1m	
Measuring Frequency		5~45m, 3Hz; >45m, 0.75~3Hz	
Emitting Aperture		Φ10×7.5mm	
Receiver Aperture		Φ15×10mm	
Detection Probability		≥98%	
False Alarm Rate		≤1%	
Electrical Characteristics			
Communication Interface		UART (TTL_3.3V)	
Baud Rate		9600/14400/19200/38400/57600/115200 (default)/128000/230400	
Power Supply Mode		DC3-5V	
Maximum Power Consumption	0.45w	0.9w	1.7w
Standby Power Consumption		≤1mw	
Physical Characteristics			
Weight		10±0.5g	
Dimensions		<25×26×13mm	
Shock		1200g, 1ms	
Vibration		5~50~5Hz,1 octave/min, 2.5g	
Environment Adaptability			
Operating Temperature		-40~+60°C	
Storage Temperature		-40~+60°C	

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The information is for illustrative purposes only. The pictures and technical specifications are subject to change without notice. Sample No.: O2024-Photon C330B-2P001