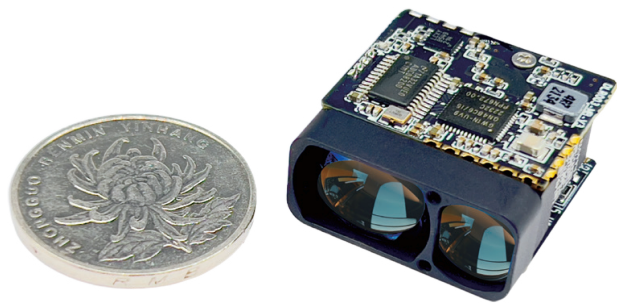




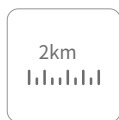
SR Series

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℃		
Storage Temperature	-40~+60℃		

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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