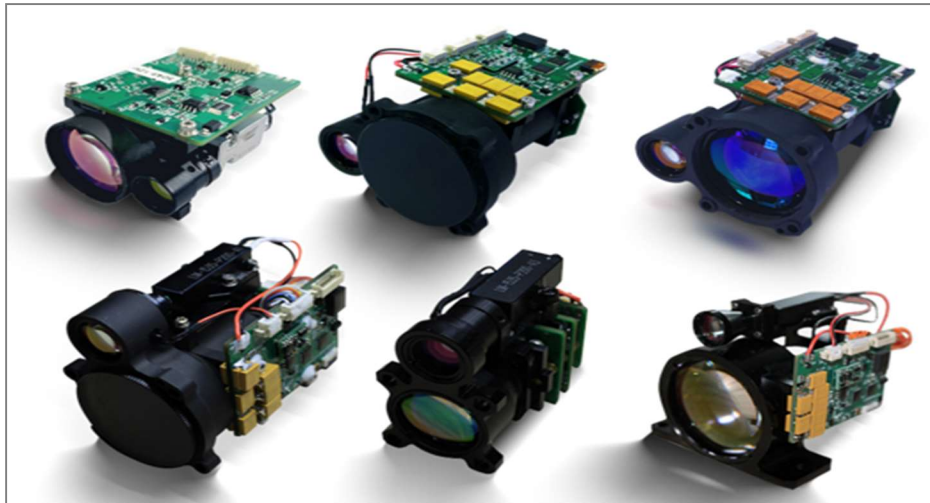


SLY Series Laser Rangefinders



Laser rangefinder is a kind of equipment to measure the distance of the target. It can measure the distance information of the target by detecting the return signal of the emitting laser. This series of products has mature technology and stable performance, which can be tested on a variety of static and dynamic targets, and can be equipped and used on a variety of platforms. Laser rangefinder is used to measure the range of the target. Its military application can be summarized into two categories: reconnaissance and fire control. Reconnaissance includes individual reconnaissance, sea base, road base, air base target detection and terrain detection. Fire control is mainly used in land air defense, sea combat, short-range fire control equipment precision attack, as well as ship and airborne fire control system in long-range ranging and target attack. According to different combat platforms, the laser range finder can be applied to the optoelectronic reconnaissance system of different platforms such as ground vehicle, light portable, air artillery, missile defense, airborne, shipborne and space detection as a supporting ranging system. The rangefinder products are characterized by independent control of core devices, small size and light weight, mass production, stable performance and easy operation.

1. 3-12km Laser Rangefinders (1535nm)

This series rangefinder is based on 1535 nm erbium-doped glass lasers, which are completely independently developed and protected by patents and intellectual property rights, and have now reached Class I human eye safety standards. The product is a single-pulse rangefinder that features small size, light weight, high-cost performance and adaptability to multiple platforms. The main functions are: single pulse range and continuous range, distance selection, front and rear target display and self-test function, and continuous range frequency adjustable from 1-10Hz. The series offers different products to meet different range requirements (3km to 12km).

Features:

- Small size and light weight
- Class I human eye safety standards
- Stable performance and easy to use
- Provide customization service
- Distance measurement for vehicle (2.3*2.3m) over 3km
- Developed based on 1535nm Er: Glass Laser

Applications:

- Laser ranging
- Targeting
- Photoelectric reconnaissance



Part number	SLY-0090	SLY-0300F	SLY-0400A	SLY-0510A	SLY-0610A
Wavelength	905nm±5nm	1535nm±5nm	1535nm±5nm	1535nm±5nm	1535nm±5nm
Ranging Distance	1km	≥3km	≥4km	≥5km	≥6km
Visibility	≥10km	>6km	>8km	>8km	>10km
Laser divergence angle	≤6mrad	≤0.6mrad	≤0.5mrad	≤0.5mrad	≤0.5mrad
Continuous ranging frequency	1~4Hz	1Hz-10Hz (adjustable)	1Hz-10Hz (adjustable)	1Hz-10Hz (adjustable)	1Hz-10Hz (adjustable)
Ranging accuracy	±0.5m (≤200m) ±1m (>200m)	1m	≤±2m (RMS)	≤±2m (RMS)	≤±2m (RMS)
Accurate ranging ratio	≥98%	≥98%	≥98%	≥98%	≥98%
Minimum range	≤3m	<20m	≤20m	≤20m	≤30m
Range resolution	0.1m	≤30m (Multi Targets)	≤30m (Multi Targets)	≤30m (Multi Targets)	≤30m (Multi Targets)
Voltage supply	DC2.7V~5.0V	DC6-36	DC9-16V (Customizable)	DC9-16V (Customizable)	DC9-16V (Customizable)
Weight	11g+0.5g	≤35g	≤55g	≤55g	≤70g
Power consumption	≤1.5W	“Average ≤1W(@1Hz); Peak ≤5W”	“Average ≤1.5W(@1Hz); Peak ≤5W”	“Average ≤1.5W(@1Hz); Peak ≤5W”	“Average ≤1.5W(@1Hz); Peak ≤5W”
Dimension	25x26x13mm	≤48*21*31mm	≤55*41*26mm	≤55*41*26mm	≤72*45*35mm
Working temperature	-40-+65°C	-40-+65°C	-40-+60°C	-40-+60°C	-40-+60°C
Storage temperature	-45-+70°C	-50-+ 70°C	-50-+ 70°C	-50-+ 70°C	-50-+ 70°C
Communication interface	UART(TTL_3.3V), 115200bps	RS422/TTL	RS422, 115200bps	RS422, 115200bps	RS422, 115200bps



Part number	SLY-0810A	SLY-1010A	SLY-1210A
Wavelength	1535nm±5nm	1535nm±5nm	1535nm±5nm
Ranging Distance	≥8km	≥10km	≥12km
Visibility	> 12km	> 15km	> 20km
Laser divergence angle	≤0.3mrad	≤0.3mrad	≤0.3mrad
Continuous ranging frequency	1Hz-10Hz (adjustable)	1Hz-10Hz (adjustable)	1Hz-10Hz (adjustable)
Ranging accuracy	≤±2m (RMS)	≤ ±2m (RMS)	≤ ±3m (RMS)
Accurate ranging ratio	≥98%	≥98%	≥98%
Minimum range	≤30m	≤50m	≤50m
Range resolution	≤30m (Multi Targets)	≤30m (Multi Targets)	≤30m (Multi Targets)
Voltage supply	DC9-16V (Customizable)	DC9-16V (Customizable)	DC9-18V (Customizable)
Weight	≤120g	≤140g	≤240g
Power consumption	"Average ≤1.5W (@1Hz); Peak ≤5W"	"Average ≤1.5W(@1Hz); Peak ≤5W"	"Average ≤1.5W (@1Hz); Peak ≤5W"
Dimension	≤80*47*59mm	≤83*68*46mm	≤100*60*70mm
Working temperature	-40-+60°C	-40-+60°C	-40-+60°C
Storage temperature	-50-+ 70°C	-50-+ 70°C	-50-+ 70°C
Communication interface	RS422, 115200bps	RS422, 115200bps	RS422, 115200bps

2. 15km, 20km (1570nm) Laser Rangefinders

This series rangefinder is based on the 1570nm OPO laser developed completely in-house, protected by patents and intellectual property rights, and has now met the Class I human eye safety standard. The product is a single pulse rangefinder with, cost-effective and adaptable to a variety of platforms. The main functions are: single pulse rangefinder and continuous rangefinder, distance selection, front and rear target display and self-test function, continuous rangefinder frequency adjustable from 1-5Hz. The average power consumption of the product is less than 50W and the peak power consumption is less than 100W.

Features:

- High reliability
- Class I human eye safety standards
- Stable performance and easy to use
- Provide customization service
- Distance measurement for vehicle (2.3*2.3m) over 15km
- Developed based on 1570nm OPO laser

Applications:

- Laser ranging
- Targeting
- Photoelectric reconnaissance



Part number	SLY-1505	SLY-2005
Wavelength	1570nm±5nm	1570nm±5nm
Ranging distance	≥15km	≥20km
Visibility	>20km	>25km
Laser divergence angle	≤1mrad	≤1mrad
Continuous ranging frequency	1Hz-5Hz (adjustable)	1Hz-5Hz (adjustable)
Ranging accuracy	≤5m (RMS)	≤5m (RMS)
Accurate ranging ratio	≥98%	≥98%
Minimum range	≤200m	≤200m
Range resolution	≤50m (Multi Targets)	≤50m
Voltage supply	DC 18V~36V	DC 18V~36V
Weight	≤1,300g	≤2,000g
Power consumption	“Average ≤50W; Peak ≤100W”	“Average ≤50W; Peak ≤100W”
Dimension	≤180*64*108mm	≤207*125*80mm
Working temperature	-40-+65°C	-40-+65°C
Storage temperature	-55-+ 70°C	-55-+ 70°C
Communication interface	RS422, 115200bps	RS422, 115200bps

3. SLY-880, Handheld Rangefinder



Infrared	
Model	SLY-880
Detector type	Amorphous silicon uncooled infrared focal plane
Resolution	384x288
Field angle	17um
Field angle	7.5°x 5.6°
Working band	8-14um
NETD	<50mk@25C, @f/1.0

Focal length	50mm
Frame rate	≤50Hz
Focus mode	Electric focus
Detection distance	
Characters (1.7mx0.5mx0.3m)	3333m
Vehicles (4.5mx2.0mx1.5m)	8823m
Identification distance	
Characters (1.7mx0.5mx0.3m)	883m
Vehicles (4.5mx2.0mx1.5m)	2205m
Shimmer	
Detector type	Ultra- low illumination CMOS
Resolution	1920x1080
Pixel size	4.0um
Focal length	35mm
Frame rate	≤30Hz
Focus mode	Focus free
Display	
Display screen type	OLED
Resolution	1024x768
Display screen size	0.39 inches
Display screen mode	Infrared/shimmer/dual light fusion/ picture in pictures
Electron doubling	1x /2x /4x
Visual control	±4SD
Color palette	Rainbow, iron red, cold color, white hot, and black hot
Other functions	
WIFI	2.4 G image transmission
Electronic compass	Square angle display
Positioning	GPS/BD
Ranging	
Ranging range	9m-2500m
Ranging accuracy	<400m, ±1m; >400m, 0.4%
Storage	
Capacity	Built-in 16G eMMC (Note: the usable storage capacity is less than this value, because the system software occupies a certain space)
Shooting	
Video recording	Supported
Picture/ Video format	JPG/MP4
Interface	
CVBS output	PAL system video output
USB interface	Export pictures and videos
External power supply	DC12/1A
Power supply	
Detachable rechargeable lithium battery	3200mAhx2 (battery model 18650)
Battery charging mode	Standalone charging stand
Overall power consumption	≤6W
Endurance duration	≥4 hours
Operating/ storage environment	

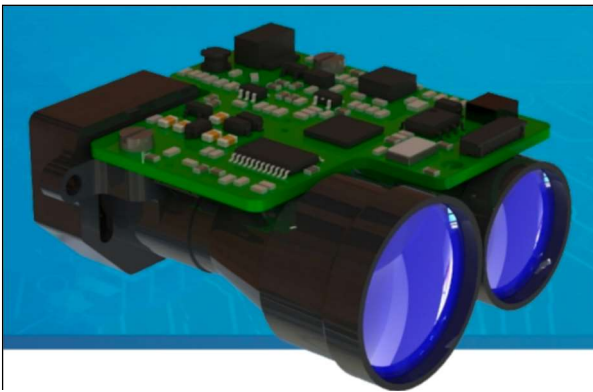
Operating temperature	-20C to 50C
Storage temperature	-30C to 70C
Shock	≤30g
Protection level	1P54
Overall dimension/Weight	
Overall dimension	193.1mmx176.8mmx99mm
Weight	1.58kg (including batteries)

STDY Series Laser Rangefinders



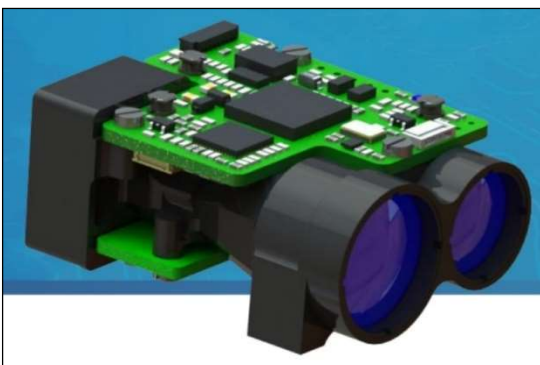
STDY-DA and STDY-YA series laser rangefinder is compact in design and easy to integrate. The working light source is 905nm and 1550nm semiconductor laser diode. The features are long service life and low power consumption. And it is widely used in the airborne pod, vehicle turntable, handheld observation instrument, altimeter, telescope, gun sight, gun sight project and other photoelectric equipment, to meet aviation, ship, vehicle, police, railway, electric power, communication, geology, construction, fire protection, forestry, outdoor applications and other applications.

1. STDY-DA1xxx series



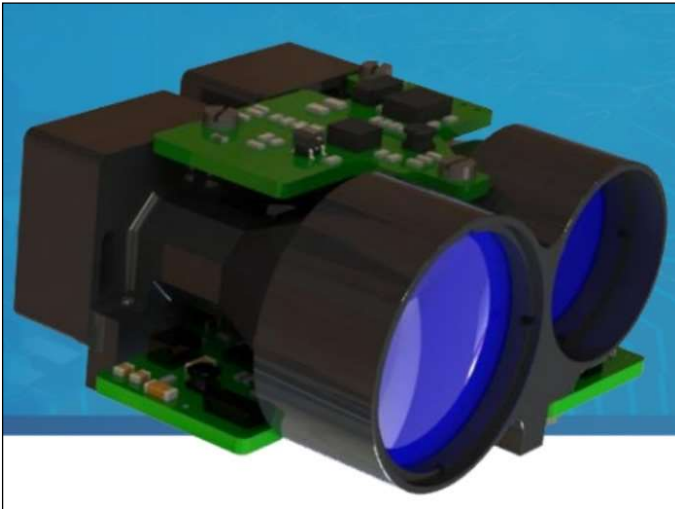
Model	STDY-DA1000	STDY-DA1500
Wavelength	905nm	
Range	20m~1000m	20m~1500m
Ranging accuracy	≤±2m	
Ranging frequency	1Hz	
Accurate rate	≥98%	
Acceptance aperture	17mm	
Connector	TTL	
Supply voltage	5V±0.5V	
Power consumption	≤2W	
Dimension	45mmx44mmx21mm	
Weight	≤35g	
Operating temperature	-40℃~+55℃	

2. STDY-DA2xxx series



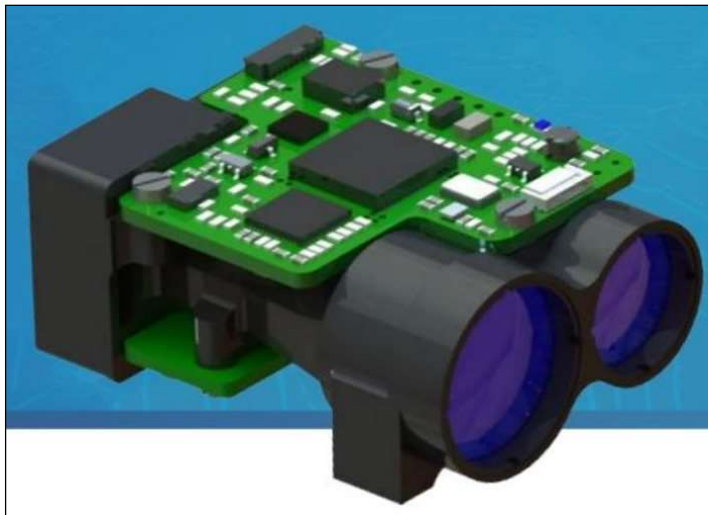
Model	STDY-DA2000	STDY-DA2500
Wavelength	905nm	
Range	20m~2000m	30m~2500m
Ranging accuracy	≤±2m	
Ranging frequency	1Hz	
Accurate rate	≥98%	
Acceptance aperture	17mm	
Connector	TTL	
Supply voltage	5V±0.5V	
Power consumption	≤2W	
Dimension	50.5mmx37mmx22mm	
Weight	≤45g	
Operating temperature	-40℃~+55℃	

3. STDY-DA3xxx series



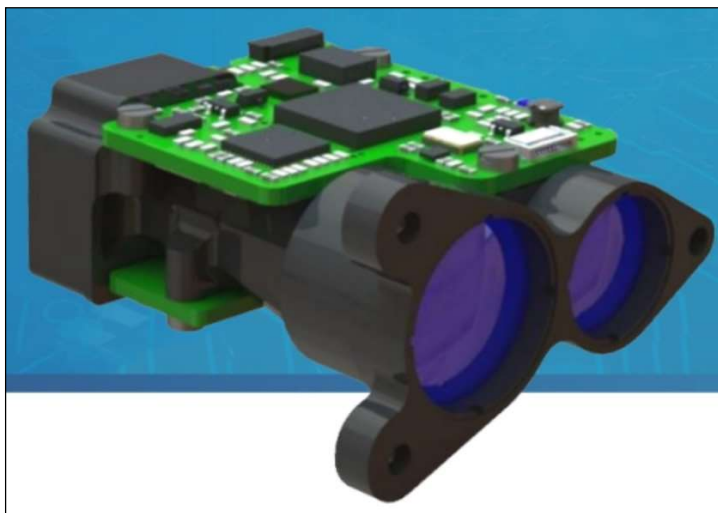
Model	STDY-DA3000	STDY-DA3500
Wavelength	905nm	
Range	20m~3000m	30m~3500m
Ranging accuracy	≤±2m	
Ranging frequency	1Hz	
Accurate rate	≥98%	
Acceptance aperture	24mm	
Connector	TTL	
Supply voltage	5V±0.5V	
Power consumption	≤2W	
Dimension	50mmx49.5mmx29mm	
Weight	≤65g	
Operating temperature	-40℃~+55℃	

4. STDY-YA2xxx series



Model	STDY-YA2000	STDY-YA2500
Wavelength	1550nm	
Range	30m~2000m	30m~2500m
Ranging accuracy	±2m	
Ranging frequency	1Hz	
Accurate rate	≥98%	
Acceptance aperture	17mm	
Connector	TTL	
Supply voltage	5V±0.5V	
Power consumption	≤3W	
Dimension	51mmx37mmx22mm	
Weight	≤45g	
Operating temperature	-40°C~+55°C	

5. STDY-YA2xxxA series



Model	STDY-YA2000A	STDY-YA2500A
Wavelength	1550nm	
Range	30m~2000m	30m~2500m
Ranging accuracy	±2m	
Ranging frequency	1Hz	
Accurate rate	≥98%	
Acceptance aperture	17mm	
Connector	TTL	

Supply voltage	5V±0.5V
Power consumption	≤3W
Dimension	50.5mmx45.5mmx29mm
Weight	≤45g
Operating temperature	-40℃~+55℃

6. STDY-YA3000 and STDY-YA3000A



Model	STDY-YA3000	STDY-YA3000A
Wavelength	1550nm	
Range	30m-3000m	
Ranging accuracy	≤±2m	
Ranging frequency	1Hz	
Accurate rate	≥98%	
Acceptance aperture	24mm	
Connector	TTL	
Supply voltage	5V±0.5V	
Power consumption	≤3W	
Dimension	51mmx50mmx29mm	51mmx55mmx40mm
Weight	≤65g	
Operating temperature	-40℃~+55℃	

STDY-DYC Series Small & Medium-sized Laser Rangefinder

STDY-DYC series of small and medium-sized laser rangefinders are compact, easy to install and operate. The working light source is a human eye safe band solid state laser. The features are long service life and low power consumption. It can provide deep customization according to different needs. And it is widely used in the airborne pod, vehicle turntable, handheld observation instrument, altimeter, telescope, gun sight, gun sight project and other photoelectric equipment, to meet aviation, ship, vehicle, police, railway, electric power, communication, geology, construction, fire protection, forestry, outdoor applications and other applications.

1. STDY-DYCx000 series



Model	STDY-DYC3000	STDY-DYC4000	STDY-DYC5000
Wavelength	1535nm	1535nm	1535nm
Range	15m~3000m	50m~4000m	50m~5000m
Ranging accuracy	≤±2m	≤±2m	≤±2m
Ranging frequency	≥1Hz	≥1Hz	≥1Hz
Accurate rate	≥98%	≥98%	≥98%
Divergence angle	≤0.65mrad	≤0.6mrad	≤0.7mrad
Acceptance aperture	18mm	21mm	25mm
Connector	TTL	RS422	RS422
Supply voltage	12V±2V	12V±2V	12V±2V
Power consumption	≤2W	≤3W	≤3W
Dimension	50mmx36mmx24mm	57mmx50mmx30mm	61mmx43mmx32mm
Weight	≤56g	≤75g	≤85g
Operating temperature	-40℃~+55℃	-40℃~+55℃	-40℃~+55℃



Model	STDY-DYC6000	STDY-DYC7000	STDY-DYC8000	STDY-DYC9000
Wavelength	1535nm	1535nm	1535nm	1535nm
Range	20m~6000m	20m~7000m	80m~8000m	80m~9000m
Ranging accuracy	≤±2m	≤±2m	≤±2m	≤±2m
Ranging frequency	≥1Hz	≥1Hz	≥1Hz	≥1Hz
Accurate rate	≥98%	≥98%	≥98%	≥98%

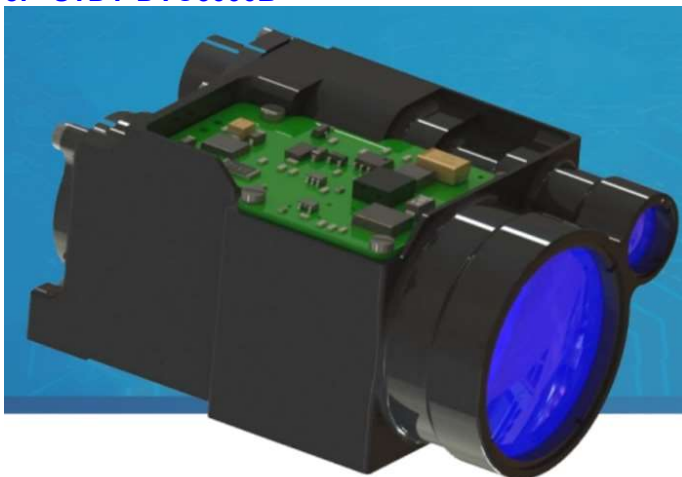
Divergence angle	≤0.3mrad	≤0.3mrad	≤0.5mrad	≤0.5mrad
Acceptance aperture	34mm	34mm	42mm	42mm
Connector	RS422	RS422	RS422	RS422
Supply voltage	7.5V±1.5V	7.5V±1.5V	12V±2V	12V±2V
Power consumption	≤2W	≤2W	≤3W	≤3W
Dimension	80x59x45mm	80x59x45mm	86x66x45mm	86x66x45mm
Weight	≤120g	≤120g	≤145g	≤145g
Operating temperature	-40°C~+55°C	-40°C~+55°C	-40°C~+55°C	-40°C~+55°C

2. STDY-DYCx000A series



Model	STDY-DYC6000A	STDY-DYC7000A
Wavelength	1535nm	
Range	20m~6000m	20m~7000m
Ranging accuracy	±2m	
Ranging frequency	1Hz	
Accurate rate	≥98%	
Divergence angle	≤0.3mrad	
Acceptance aperture	34mm	
Connector	TTL	
Supply voltage	7.5V±1.5V	
Power consumption	≤2W	
Dimension	81mmx57.5mmx41.5mm	
Weight	≤125g	
Operating temperature	-40°C~+55°C	

3. STDY-DYC6000B



Model	STDY-DYC6000B
-------	---------------

10 Bukit Batock Crescent #07-02 The Spire Singapore 658079 Tel: 6316 7112 Fax: 63167113
<http://www.SintecOptronics.com> <http://www.sintec.sg> sales@sintec.sg sales@SintecOptronics.com

Wavelength	1535nm
Range	50m~6000m
Ranging accuracy	≤±2m
Ranging frequency	1Hz
Accurate rate	≥98%
Divergence angle	≤0.7mrad
Acceptance aperture	34mm
Connector	RS422
Supply voltage	28V±6V
Power consumption	≤3W
Dimension	87mmx52mmx41mm
Weight	≤195g
Operating temperature	-40℃~+55℃

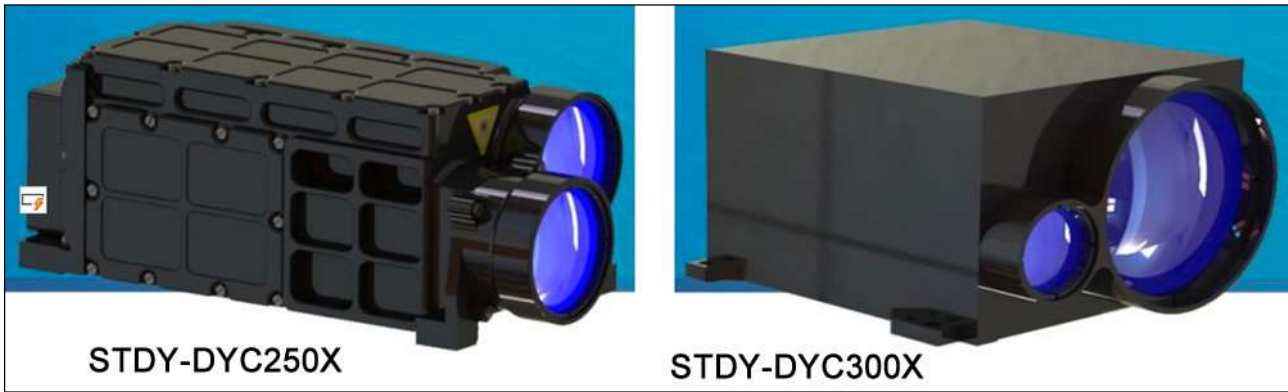
4. STDY-DYC100X and STDY-DYC100XA



Model	STDY-DYC100X	STDY-DYC100XA
Wavelength	1535nm	
Range	50m ~ 10000m	80m ~ 10000m
Ranging accuracy	≤±2m	
Ranging frequency	1Hz	
Accurate rate	≥98%	
Divergence angle	≤0.5mrad	
Acceptance aperture	48mm	
Connector	RS422	
Supply voltage	28V±6V	
Power consumption	≤4W	
Dimension	107mmx84mmx56mm	
Weight	≤230g	≤290g
Operating temperature	-40℃~+55℃	

5. STDY-DYC series medium range finder

STDY-DYC series of medium range finders are compact and easy to install and operate. The working light source is a human eye safe band solid state laser. The features of it are long service life and low power consumption. It can provide deep customization according to different needs. And it is widely used in the airborne pod, vehicle turntable, handheld observation instrument, altimeter, telescope, gun sight, gun sight project and other photoelectric equipment, to meet aviation, ship, vehicle, police, railway, electric power, communication, geology, construction, fire protection, forestry, outdoor applications and other applications.



Model	STDY-DYC250X	STDY-DYC300X
Wavelength	1535nm	
Range	300m~25000m	300m~30000m
Ranging accuracy	≤±5m	
Ranging frequency	1Hz	
Accurate rate	≥98%	
Divergence angle	≤0.4mrad	
Acceptance aperture	48mm	65mm
Connector	RS422	
Supply voltage	28V±6V	
Power consumption	≤10W	
Dimension	245mmx113mmx85mm	133mmx122mmx76mm
Weight	≤2100g	≤1000g
Operating temperature	-40℃~+55℃	

STDY-DYB Series Small Laser Photometer

STDY-DYB series of small laser photometer is pumped by semiconductor, which can transmit laser pulse and receive laser echo to obtain the distance information of the measured target. It emits laser pulses in a specified precise coding or external synchronous way to provide semi-active guidance laser spots for laser guided weapons. The product is suitable for ground reconnaissance equipment, vehicle turret, ship turret, helicopter and UAV photoelectric load.



STDY-DYB025



STDY-DYB040



STDY-DYB060



STDY-DYB100

Model	STDY-DYB025	STDY-DYB040	STDY-DYB060	STDY-DYB100
Wavelength	1064nm	1064nm	1064nm	1064nm
Averag energy	≥25mJ	≥40mJ	≥60mJ	≥100mJ
Energy instability	≤10%	≤10%	≤10%	≤10%
Divergence angle	≤0.5mrad	≤0.4mrad	≤0.4mrad	≤0.25mrad
Optical axis stability	≤0.05mrad	≤0.05mrad	≤0.05mrad	≤0.05mrad
Range	100m~5000m	300m~5000m	300m~8000m	300m~20000m
Irradiation distance	≥2000m	≥4000m	≥5000m	≥13000m
Exposure frequency	20Hz	20Hz	20Hz	20Hz
Precise frequency code	45ms~56ms	45ms~56ms	45ms~56ms	45ms~56ms
Coding accuracy	±2.5us	±2.5us	±2.5us	±2.5us
Pulse width	15ns±5ns	15ns±5ns	15ns±5ns	15ns±5ns
Supply voltage	28V±6V	28V±6V	28V±6V	28V
Weight	≤450g	≤1000g	≤1500g	≤2800g
Dimension	91x68x51.5mm	112x62x57mm	180x100x78mm	239x116x81mm
Operating temperature	-40℃~+55℃	-40℃~+55℃	-40℃~+55℃	-40℃~+55℃
Connector	RS422	RS422	RS422	RS422

STJ Series Laser Rangefinders

1. Diode Laser Rangefinder OEM Modules

The diode laser rangefinder module has the characteristics of small size, light weight, low power consumption, high performance, and easy integration. It is widely integrated in various equipment and optoelectronic systems.



- Semiconductor eye-safe laser.
- Accurate measurement and good repeatability.
- Small size and light weight.
- High reliability.

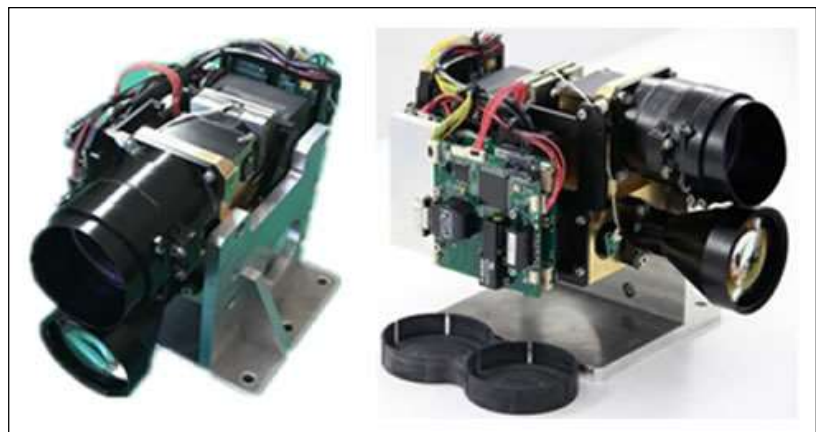
Technical specifications

Part number	STJ-RFS-032	STJ-RFS-028	STJ-RFS-6558
Wavelength	Eye-safe laser	Eye-safe laser	Eye-safe laser
Maximum range	Vehicle: 2km Human: 1km	Vehicle: 4.5km Big target: 8km	Vehicle: 4km Human: 2km
Minimum range	50m	100m	100m
Ranging accuracy	±5m	±5m	±5m
Repeat frequency	≥0.3Hz	≥0.3Hz	≥0.3Hz
Accurate rate	≥95%	≥95%	≥95%
Ranging logic	With the first and last target output function	With the first and last target output function	With the first and last target output function
Size(L×W×H)	≤65×45×30mm	≤120×100×52mm	≤110×100×50mm
Weight	≤60g	≤350g	≤350g
Operating temperature	-40℃~+60℃	-40℃~+60℃	-40℃~+60℃
Storage temperature	-55℃~+70℃	-55℃~+70℃	-55℃~+70℃

2. High-frequency Laser Rangefinder OEM Modules

STJ-RFS-376 high-frequency laser ranging module uses diode pumped laser as the light source, which can achieve high repetition frequency laser output, used to accurately and reliably measure the distance.

The main application areas include: shipboard, airborne, vehicle-mounted, shore-based photoelectric fire control system, photoelectric reconnaissance system, photoelectric monitoring system, photoelectric measurement system.



- Semiconductor pumped eye-safe laser.
- Repetition frequency can reach 20Hz.
- Long range and high reliability.

Technical Specifications

Part number	STJ-RFS-376
Wavelength	1.57 μ m
Maximum range	300m~20km (large targets under good weather conditions) 15km for 3*5m target
Ranging accuracy	\pm 5m
Repeat frequency	1~20Hz 1Hz working mode: continuous operation. 5Hz working mode: continuous working for 10 minutes, cooling for 1 minute. 20Hz working mode: continuous working for 1 minute and cooling for 1 minute.
Size	\leq 230 \times 150 \times 130mm
Weight	\leq 2.0Kg
Operating temperature	-40 $^{\circ}$ C~+60 $^{\circ}$ C
Highlight	High repetition frequency, long working distance, high measurement accuracy, high reliability and strong anti-interference ability
Application	Photoelectric reconnaissance system, photoelectric monitoring system, photoelectric measuring system

3. Erbium Glass Laser Ranging OEM Modules

STJ-RFS-6271 series erbium glass laser ranging modules use an erbium-doped glass laser as a light source, which can achieve a low-gain laser output and is used to accurately measure the target. They are mainly used for distance measurement of medium and long-range targets in the applications areas such as photoelectric reconnaissance system, photoelectric surveillance system.

- Eye-safe laser.
- Small size, light weight, high accuracy, high reliability and strong anti-interference ability



Technical Specifications

Part number	STJ-RFS-6271-20	STJ-RFS-6271-30	STJ-RFS-6271-40
Wavelength	1.54 μ m	1.54 μ m	1.54 μ m
Maximum range	\geq 12km	\geq 14km	\geq 16km
Ranging accuracy	\pm 2m	\pm 2m	\pm 2m
Repeat frequency	\geq 0.5Hz	\geq 0.5Hz	\geq 0.5Hz
Size	\leq 100 \times 50 \times 45mm	\leq 100 \times 61 \times 48mm	\leq 112 \times 72 \times 56mm
Weight	\leq 135g	\leq 160g	\leq 200g
Operating temperature	-40 $^{\circ}$ C~+60 $^{\circ}$ C		

4. Fiber Laser Rangefinder OEM Modules

STJ-JIR-603x series fiber laser ranging modules use rare earth-doped glass fiber as the gain medium to output eye-safe laser, which is small in size, light in weight, high in reliability and easy for system integration. Mainly used in photoelectric reconnaissance, photoelectric fire control, photoelectric monitoring, photoelectric measurement and other fields.

- Eye-safe laser.
- Small size and light weight.
- Fast heat dissipation and low loss.
- Strong environmental adaptability.



	STJ-RFS-6030A	STJ-RFS-6030B	STJ-RFS-6031	STJ-RFS-6032
Wavelength	1550±20nm	1550±20nm	1550±20nm	1550±20nm
Minimum range	50m	50m	50m	50m
Maximum range	≥15km (Ship: 20×70m)	≥3km (UAV: 0.3×0.3m)	≥8km (Vehicle: 2.3×2.3m)	≥6km (Vehicle: 2.3×2.3m)
Divergence angle	0.6mrad	0.3±0.1mrad	0.3±0.1mrad	0.3±0.1mrad
Repeat frequency	1Hz	5Hz	1Hz	1Hz
Ranging accuracy	±5m	±2m	±2m	±2m
Accurate rate	≥98%	≥98%	≥98%	≥98%
False alarm rate	≤2%	≤2%	≤2%	≤2%
Ranging logic	With the first and last target output function	With the first and last target output function	With the first and last target output function	With the first and last target output function
Size(L×W×H)	95×51×64mm	95×51×64mm	91×49×45mm	91×53×42mm
Weight	≤200g	≤200g	≤160g	≤150g
Operating temperature	-40℃~+60℃	-40℃~+60℃	-40℃~+60℃	-40℃~+60℃
Storage temperature	-50℃~+70℃	-50℃~+70℃	-50℃~+70℃	-50℃~+70℃