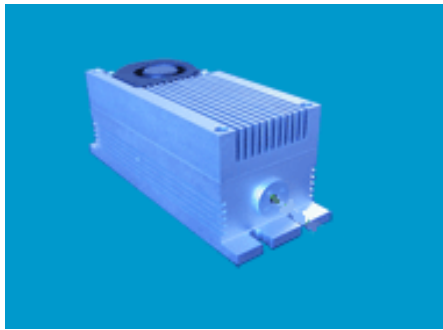




DPSS Lasers

457nm Blue laser:

Model: 457-ST-I/II (457nm-DPSS Blue Laser-1~3000mW)



1~200mw



300-3000mw

Model	ST-I-N-457		ST-II-N-457
Wavelength (nm)	457		
Output Power (mw)	1~200		300-3000
Working Mode	CW		
Beam Mode	Transverse	TEM00	
	Longitude	Multi-longitude	
Spectral Line width (nm)	<0.1		
Polarization	Line polarization		
Polarization Ratio	>8:1		
Beam Quality (M2 factor)	<1.2		
Beam Divergence (full angle, mrad)	1.2±0.2		2.0±0.2
Beam Diameter at Aperture (mm)	1.2±0.2		3.5±0.2
Beam Roundness	>90%		
Power Stability (RMS, over 8 hours)	<5% @8hours		
Aperture Position (mm)	20		100
Laser Head	Dimensions (L×W×H, mm)	184 x 60 x 62	
Integrated Driver Model	VD-IIA Series / VD-IIIA Series		
External Modulation	5V TTL / 5V Analogue		
Modulating Repetition	30KHzTTL/10KHz Analogue		10KHz TTL / 5KHzAnalogue
Cooling System	TEC		TEC+ Air-cooled
Warm-up Time (minutes)	<15		
Operation Temperature (°C)	18~30		
Expected Lifetime (hours)	>10000		
Warranty Time	1 year		

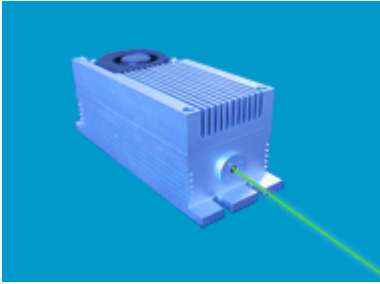
473nm Blue laser:**Model: 473-ST-I/II (473nm-DPSS Blue Laser-1~200mW)**

1~100mw



100-200mw

Model		ST-I-N-473	ST-II-N-473
Wavelength (nm)		473	
Output Power (mW)		1~100	100-200
Working Mode		CW	
Beam Mode	Transverse	TEM00	
	Longitude	Multi-longitude	
Spectral Linewidth (nm)		<0.1	
Polarization		Line polarization	
Polarization Ratio		>8:1	
Beam Quality (M2 factor)		<1.2	
Beam Divergence (full angle, mrad)		1.2±0.2	1.2±0.2
Beam Diameter at Aperture (mm)		1.2±0.2	1.2±0.2
Beam Roundness		>90%	
Power Stability (RMS, over 8 hours)		<5% @8hours	
Noise of Amplitude (P-P)		<30%	
Aperture Position (mm)		25	30
Laser Head	Dimensions (L×W×H, mm)	136 x 50 x 45	184 x 60 x 62
Integrated Driver Model		VD-IIA Series	VD-IIIA Series
External Modulation		5V TTL / 5V Analogue	
Modulating Repetition		30KHzTTL/10KHz Analogue	10KHz TTL / 5KHzAnalogue
Cooling System		TEC	TEC+ Air-cooled
Warm-up Time (minutes)		<15	
Operation Temperature (°C)		18~30	
Expected Lifetime (hours)		>10000	
Warranty Time		1 year	

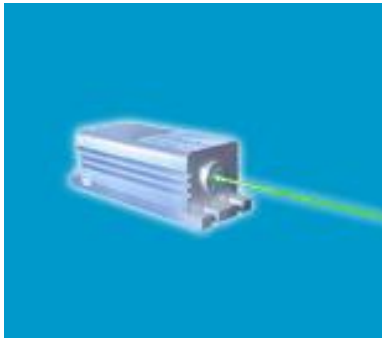
445nm Blue laser:**Model: 445-ST-I/II (445nm-DPSS Blue Laser-1~500mW)**

Laser head: 184 x 60 x 62mm

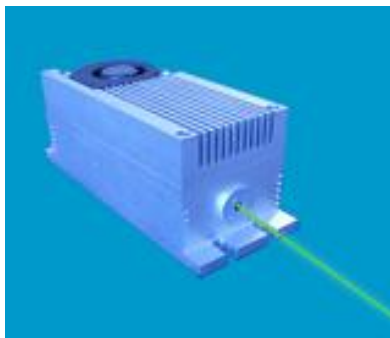


Power supply: 162 x 155 x 83mm

Wavelength (nm)	445
Output Power (mW)	1~500
Working Mode	CW
Beam Mode	TEM00
Transverse Longitude	Multi-longitude
Spectral Linewidth (nm)	<0.1
Polarization	Line polarization
Polarization Ratio	>8:1
Beam Quality (M2 factor)	<1.2
Beam Divergence (full angle, mrad)	1.2±0.2
Beam Diameter (mm)	1.2±0.2
Beam Roundness	>90%
Power Stability (RMS, over 8 hours)	<5%
Noise of Amplitude (P-P)	<30%
Laser Head	Dimension:184 x 60 x 62mm
	Net weight: 2.5kg
Driver Model	VD-I Series / VD-II Series
External Modulation	5V TTL / 5V Analogue
Modulating Repetition	30KHz TTL / 10KHz Analogue
Cooling System	TEC
Warm-up Time (minutes)	<15
Operation Temperature (°C)	18~30
Expected Lifetime (hours)	>10000

532nm Green laser:**Model: 532-ST-I/II (532nm-DPSS Green Laser-1~5000mW)**

1~300mw



400-2000mw



3000-5000mw

Model		ST-I-N-532	ST-II-N-532	ST-III-N-532
Wavelength (nm)		532		
Output Power (mW)		1~300	400-2000	3000-5000
Working Mode		CW		
Beam Mode	Transverse	TEM00, TEM01		
	Longitude	Multi-longitude		
Spectral Linewidth (nm)		<0.1		
Polarization		Line polarization		
Polarization Ratio		>100:1		
Beam Quality (M2 factor)		<1.2		
Beam Divergence (full angle, mrad)		1.2±0.2	1.2~2.0	3.0±0.2
Beam Diameter at Aperture (mm)		1.2±0.2	2.0~3.0	4.0±0.2
Beam Roundness		>90%		
Power Stability (RMS, over 8 hours)		<5% @8hours		
Aperture Position (mm)		25	20	100
Laser Head	Dimensions (L×W×H, mm)	136 x 50 x 45	184 x 60 x 62	324 x 120 x 103
Integrated Driver Model		VD-IA/IIA Series	VD-IIIA Series	VD-IIIA Series
External Modulation		5V TTL / 5V Analogue		
Modulating Repetition		30KHz TTL / 10KHz Analogue		
Cooling System		TEC	TEC	TEC+ Air-cooled
Warm-up Time (minutes)		<15		
Operation Temperature (°C)		18~30		
Expected Lifetime (hours)		>10000		
Warranty Time		1 year		

532nm Green laser:**Model: 532/1064-ST-I- SLM/ LNS (532nm-DPSS Green/IR Laser)**

1~200mw



1-500mw

Model		ST-I-SLM-532	ST-I-LNS-532/1064
Wavelength (nm)		532	
Output Power (mW)		1~200	1~500
Working Mode		CW	
Beam Mode	Transverse	TEM00	
	Longitude	Single-longitude	Multi-longitude
Spectral Linewidth (nm)		<10e-5	<0.1
Polarization		Line polarization	
Polarization Ratio		>100:1	
Beam Quality (M2 factor)		<1.2	
Beam Divergence (full angle, mrad)		1.2±0.2	1.2±0.2
Beam Diameter at Aperture (mm)		1.2±0.2	1.2±0.2
Beam Roundness		>90%	
Power Stability (RMS, over 8 hours)		<5% @8hours	
Noise of Amplitude (P-P)		<1%	
Aperture Position (mm)		25	
Laser Head	Dimensions (L×W×H, mm)	136 x 50 x 45	184 x 60 x 62
Integrated Driver Model		VD-IA/IIA Series	
External Modulation			5V TTL / 5V Analogue
Modulating Repetition			30KHz TTL / 10KHz Analogue
Cooling System		TEC	
Warm-up Time (minutes)		<15	
Operation Temperature (°C)		18~30	
Expected Lifetime (hours)		>10000	
Warranty Time		1 year	

532/1064nm Green/IR laser:**Model: ST-I-Q-532/1064 (532/1064nm-DPSS Green Laser)**

Model		ST-I-Q-532/1064
Wavelength (nm)		532
Output Power (mW)		1~30
Working Mode		Q-Switched Pulse
Q-switched Crystal		Cr:YAG
Single Pulse Energy (uJ)		1~10
Repetition (KHz)	Controllable	1~5
	Uncontrollable	5~100
Average Power (mW)		S. P. Energy × Repetition
Beam Mode	Transverse	TEM00
	Longitude	Multi-longitude
Spectral Linewidth (nm)		<0.1
Polarization		Line polarization
Polarization Ratio		>100:1
Beam Quality (M2 factor)		<1.2
Beam Divergence (full angle, mrad)		1.2±0.2
Beam Diameter at Aperture (mm)		1.2±0.2
Beam Roundness		>90%
Aperture Position (mm)		25
Laser Head	Dimensions (L×W×H, mm)	136 x 50 x 45
Integrated Driver Model		VD-IIA-Q Series
Cooling System		TEC
Warm-up Time (minutes)		<15
Operation Temperature (°C)		18~30
Expected Lifetime (hours)		>10000
Warranty Time		1 year

Q-switched 532nm Green Laser (50-200mW)



Model	SST-532-QLS-XXXX
Wavelength	532±1nm
Average Output Power at 25°C	50~200mW
Operating Mode	Q-switched pulsed laser
Peak Power	300~1000W
Single Pulse Energy	5~30μJ
Pulse Duration	~10ns
Average Power (mW)	Average power (mW) = Single pulse energy (uJ) * Rep. rate (kHz)
Pulse Rep. Rate (kHz)	<ul style="list-style-type: none"> ● Specified One rep. rate, such as 1k, 2k, 3k, up to 4kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period). ● Different rep. rate in the range of 1Hz-4kHz can be obtained by input an external TTL signal. ● Undefined rep. rate among 5k-20kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
Ave Power Stability	<1%, <3%, <5% (over 2/4/8 hours)
Transverse Mode	Near TEM00
Warm-up Time	<10 minutes
M2 Factor	< 1.5
Beam Divergence, Full Angle	< 2.0 mrad
Beam Diameter at the aperture	~ 3.0 mm
Laser Head	SST-LH-800
Power Supply	SST-PS-500 SST-PS-600 (90~265VAC)
Operating Temperature	10°C ~ 35°C
Expect Life Time	10000 hours
Warranty Time	1 year

High Power Laser

Model: ST-WI-532/1064nm (ST Series 532nm/1064nm High Power Lasers, 1~60/1~200W)



1~60W

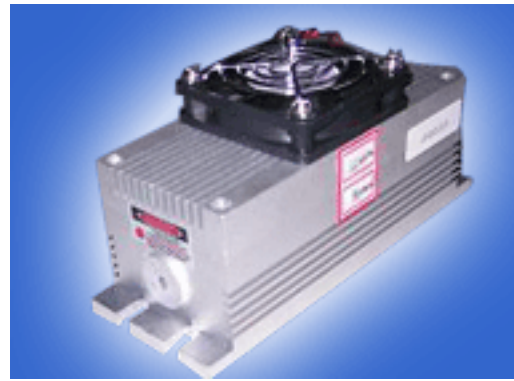


1-200W

Model	ST-WI-532nm	ST-WI-1064nm
Wavelength (nm)	532	1064
Output Power (W)	1~60W	1-200W
Working Mode	LD pumped, pulse	
Q-switched	Acousto-Optic	
Beam Mode	Transverse	Quasi TEM00
	Longitude	Multi-longitude
Spectral Linewidth (nm)	<0.1	
Polarization	Line polarization	
Pulse width (ns)	<100 (typical, @ 10KHz)	
Repetition Rate (KHz)	5~50	
Peak Power (KW)	20 (typical, @20W)	
Beam Divergence (full angle, mrad)	<6.0	
Beam Diameter at Aperture (mm, 1/e2)	3.0 (ypical)	
Beam Roundness	>90%	
Power Stability (RMS, over 4 hours)	<5%	
Laser Head	Dimensions (L×W×H, mm)	615 x 160 x 102
Warm-up Time (minutes)	<15	
Operation Temperature (°C)	18~30	
Expected Lifetime (hours)	>10000	
Warranty Time	1 year	

Red Laser:**ST-I-660nm/671nm (660/671nm, 1~500mw/1~2000)**

660nm 1~500/671nm 1~200mw



671nm 500-2000mw

Model	ST-I-N-660nm	ST-I-671nm	
Wavelength (nm)	660	671	
Output Power (mW)	1~500	1~200	500-2000
Working Mode	CW		
Spectral Linewidth (nm)	<0.1		
Polarization	Line polarization		
Polarization Ratio	>8:1	>100: 1	
Beam Quality (M2 factor)	<1.2		
Beam Divergence (full angle, mrad)	1.2±0.2		
Beam Diameter at Aperture (mm)	1.2±0.2		
Beam Roundness	>90%		
Power Stability (RMS, over 8 hours)	<5% @8hours		
Noise of Amplitude (P-P)	<1%		
Aperture Position (mm)	25		
Laser Head	Dimensions (L×W×H, mm)	136 x 50 x 45	136 x 50 x 45 184 x 60 x 62
Integrated Driver Model	VD-IA/IIA Series	VD-IIIA Series	
External Modulation	5V TTL / 5V Analogue		
Modulating Repetition	30KHz TTL / 10KHz Analogue		
Cooling System	TEC		
Warm-up Time (minutes)	<15		
Operation Temperature (°C)	18~30		
Expected Lifetime (hours)	>10000		
Warranty Time	1 year		

IR Laser:

ST-I/II-N-914/946nm (914/946nm, 1~200mw/ 200~500mw)



914/946nm 1~200mw



914/946nm 200~500mw

Model	ST-I-N-914/946nm		ST-II-N-914/946nm
Wavelength (nm)	914		
Output Power (mW)	1~200	200~500	
Working Mode	CW		
Beam Mode	Transverse	TEM00	
	Longitude	Multi-longitude	
Spectral Linewidth (nm)	<0.1		
Polarization	Line polarization		
Polarization Ratio	>8:1		
Beam Quality (M2 factor)	<1.2		
Beam Divergence (full angle, mrad)	1.2±0.2		
Beam Diameter at Aperture (mm)	1.2±0.2		
Beam Roundness	>90%		
Power Stability (RMS, over 8 hours)	<5% @8hours		
Noise of Amplitude (P-P)	<0.5%		
Aperture Position (mm)	25	30	
Laser Head	Dimensions (L×W×H, mm)		
	136 x 50 x 45	184 x 60 x 62	
Integrated Driver Model	VD-IA/IIA Series	VD-IIIA Series	
External Modulation	5V TTL / 5V Analogue		
Modulating Repetition	30KHz TTL / 10KHz Analogue		
Cooling System	TEC	TEC+ Air cooled	
Warm-up Time (minutes)	<15		
Operation Temperature (°C)	18~30		
Expected Lifetime (hours)	>10000		
Warranty Time	1 year		

IR Laser:

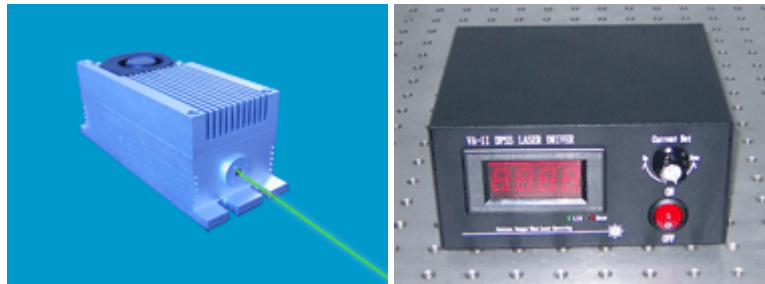
ST-I -N-1053/1320/1342nm(1053/1320/1342nm,-1~200mW/1~100/ 1~300)



Model	ST-I-N-1053	ST-I-N-1320	ST-I-N-1342
Wavelength (nm)	1053	1320	1342
Output Power (mW)	1~200	1~100	1~300
Working Mode	CW		
Beam Mode	Transverse	TEM00	
	Longitude	Multi-longitude	
Spectral Linewidth (nm)	<0.1		
Polarization	Line polarization		
Polarization Ratio	>8:1		>4:1
Beam Quality (M2 factor)	<1.5		<1.2
Beam Divergence (full angle, mrad)	1.2±0.2		
Beam Diameter at Aperture (mm)	1.2±0.2		
Beam Roundness	>90%		
Power Stability (RMS, over 8 hours)	<5% @8hours		
Noise of Amplitude (P-P)	<0.5%		
Aperture Position (mm)	25		
Laser Head	Dimensions (L×W×H, mm)	136 x 50 x 45	
Integrated Driver Model	VD-IA/IIA Series		
External Modulation	5V TTL / 5V Analogue		
Modulating Repetition	30KHz TTL / 10KHz Analogue		
Cooling System	TEC		
Warm-up Time (minutes)	<15		
Operation Temperature (°C)	18~30		
Expected Lifetime (hours)	>10000		
Warranty Time	1 year		

IR Laser:

ST-I/II/III-N-1064nm (1064nm, 1~500mw/ 500~2000mw/3000~10000mw)



Model	ST-I-N-1064nm	ST-II-N-1064nm	ST-III-N-1064nm
Wavelength (nm)	1064		
Output Power (mW)	1~500	500~2000	3000~10000
Working Mode	CW		
Beam Mode	Transverse	TEM00	
	Longitude	Multi-longitude	
Spectral Line width (nm)	<0.1		
Polarization	Line polarization		
Polarization Ratio	>100:1		>4:1
Beam Quality (M2 factor)	<1.2		<1.2
Beam Divergence (full angle, mrad)	1.2±0.2		
Beam Diameter at Aperture (mm)	1.2±0.2		
Beam Roundness	>90%		
Power Stability (RMS, over 8 hours)	<5% @8hours		
Noise of Amplitude (P-P)	<0.5%		
Aperture Position (mm)	25	30	
Laser Head	Dimensions (L×W×H, mm)	136 x 50 x 45	184 x 60 x 62
Integrated Driver Model	VD-IA/IIA Series	VD-IIIA Series	
External Modulation	5V TTL / 5V Analogue		
Modulating Repetition	30KHz TTL / 10KHz Analogue		
Cooling System	TEC		TEC + Air cooled
Warm-up Time (minutes)	<15		
Operation Temperature (°C)	18~30		
Expected Lifetime (hours)	>10000		
Warranty Time	1 year		

Collimated Diode Laser

ST-I-DC-635/650/660nm(635/650/660nm, 1~500mw)



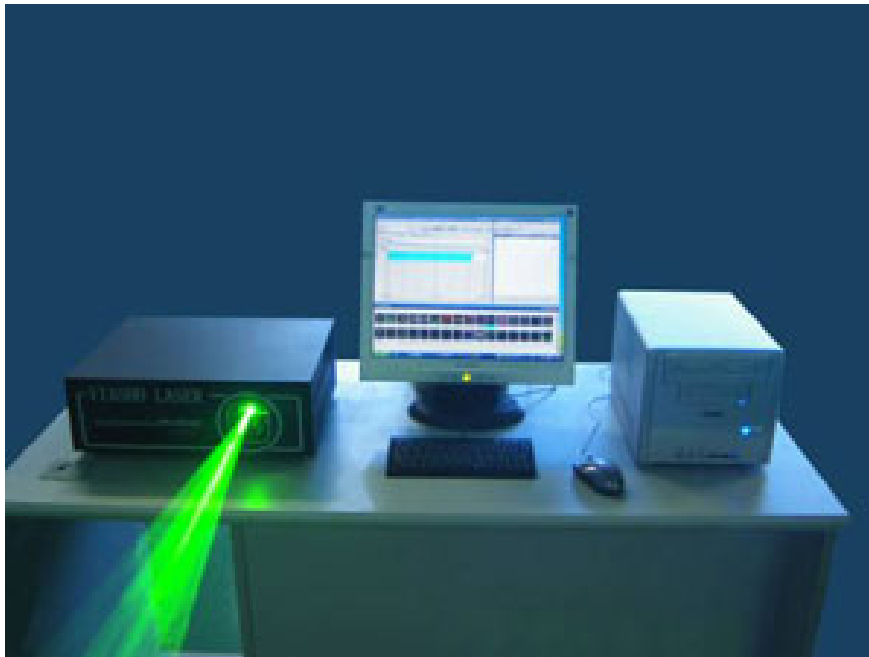
Model	ST-I-DC-635	ST-I-DC-650	ST-I-DC-660
Wavelength (nm)	635±5	650	660±5
Output Power (mW)	1~500	1~500	1~500
Working Mode	CW		
Beam Mode	Quasi TE00		
Spectral Linewidth (nm)	<0.1		
Polarization	Line polarization		
Polarization Ratio	>50:1		
Beam Quality (M2 factor)	<20		
Beam Divergence (full angle, mrad)	Square, ~6.0×6.0		
Beam Diameter at Aperture (mm)	3.0×4.0		
Power Stability (RMS, over 8 hours)	<5% @8hours		
Aperture Position (mm)	25		
Laser Head	Dimensions (L×W×H, mm)	136 x 50 x 45	
Integrated Driver Model	VD-IA/IIA Series		
External Modulation	5V TTL / 5V Analogue		
Modulating Repetition	30KHz TTL / 10KHz Analogue		
Cooling System	TEC		
Warm-up Time (minutes)	<15		
Operation Temperature (°C)	18~30		
Expected Lifetime (hours)	>10000		
Warranty Time	1 year		

ST-I-DC-808/980nm(808/980nm, 100~1800/1800~4000/100~1000mw)

Model	ST-I-DC-808		ST-I-DC-980
Wavelength (nm)	808nm		980±5
Output Power (mW)	100~1800	1800~4000	100~1000
Working Mode	CW		
Beam Mode	Quasi TE00		
Spectral Linewidth (nm)	<0.1		
Polarization	Line polarization		
Polarization Ratio	>50:1		
Beam Quality (M2 factor)	<20		
Beam Divergence (full angle, mrad)	Square, ~6.0×6.0		
Beam Diameter at Aperture (mm)	3.0×4.0		
Power Stability (RMS, over 8 hours)	<5% @8hours		
Aperture Position (mm)	25		
Laser Head	Dimensions (L×W×H, mm)		
	136 x 50 x 45		
Integrated Driver Model	VD-IA/IIA Series	VD-IIIA Series	VD-IV Series
External Modulation	5V TTL / 5V Analogue		
Modulating Repetition	30KHz TTL / 10KHz Analogue		
Cooling System	TEC		
Warm-up Time (minutes)	<15		
Operation Temperature (°C)	18~30		
Expected Lifetime (hours)	>10000		
Warranty Time	1 year		

Laser Show System

1. Mini laser show system



Features:	Animation green laser with high-speed optical scanner to create animated graphics, 256 beam show and graphics show patterns, and with the function of unique blanking, frequently flashing, rotating, movement, billowing, zoom (+/-), drawing and speed etc
Scanner:	High-speed optical scanner, big angle scanning
Laser:	100mW,200mW,300mW,500mW~2000mW 532nm wavelength green laser TE-cooled
Play Mode:	Sound Active,AUTO-Beam,AUTO-Animation,DMX512 (12 channels), Master/Slave,PC Control
PC Control:	Compatible ILDA laser show software with ILDA interface.Use electronic switches to conversion full ILDA signal
Safety Capacity:	Design according to security and good performance, safer to human and environment. Master/Slave mode, DMX512 mode and PC Control mode, will shut off aser automatically without trigger signal
Power Supply:	100~250V, 50/60HZ, 50W
Applicable for Disco, Clubs, KTV, Pub, Bar, family party etc	

2. High power laser show system

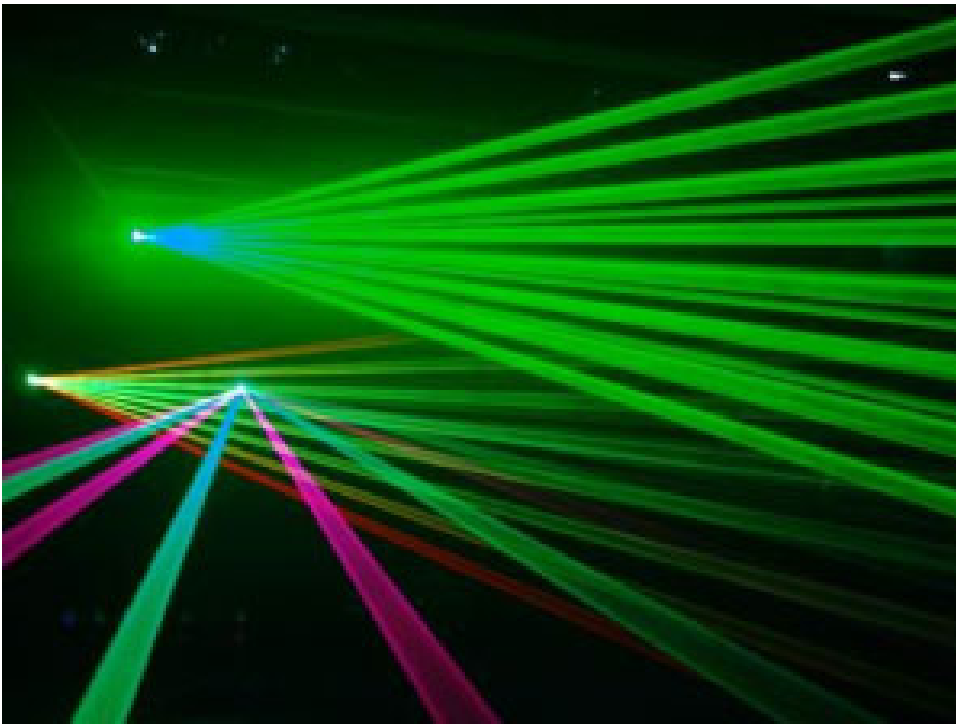


Laser (L×W×H, mm) (680× 270× 140, mm)



(L×W×H, mm) (615× 160× 102, mm)

Demon Performance



Model:	VIA-532-SHOW001
Laser power:	10W~60W
Voltage:	115V/230V
Consumption:	2KW
Frequency:	50-60HZ
Wave length:	532nm
Laser color:	Green
Application:	Indoor & outdoor, special events, disco, club and stage lighting etc.
Control:	PC control by Pangolin software of LD2000, and Showtime 2000etc.
Program:	Laser beam, graphics animation and audio synchronized. - over 10 programs for auto or live control of the various Laser beam and audio effect - over 100 of graphics animation for selection. Customized design logo is welcome
Components:	LE fading, XY scanners, 6 channels for mixing color, Optical bench, Lascon 3000 Laser console, variety of reflective and diffraction mirrors and mirrors balls, power distributor, frame library, cable set & fibre satellite etc.

2. RGB Laser Show System



(L×W×H, mm) 800 x 540 x 180

Specifications:

Model:	RGB-LASER SHOW SYSTEM
Laser power:	300mW~7W
Voltage:	115V/230V
Consumption:	2KW
Frequency:	50-60HZ
Wave length:	671nm、532nm、457nm/473nm
Laser color:	Red Green Blue
Application:	Indoor & outdoor, special events, disco, club and stage lighting etc.
Control:	PC control by Pangolin software of LD2000, and Showtime 2000etc.
Program:	Laser beam, graphics animation and audio synchronized. - over 10 programs for auto or live control of the various Laser beam and audio effect - over 100 of graphics animation for selection. Customized design logo is welcome
Components:	LE fading, XY scanners, 6 channels for mixing color, Optical bench, Lascon 3000 Laser console, variety of reflective and diffraction mirrors and mirrors balls, power distributor, frame library, cable set & fibre satellite etc.

Laser Power Driver



VD-III A



VD-IA/II A



VD- WI

Model	VD-IA/II A	VD-III A	VD- WI
Dimensions L×W×H, mm	163× 137× 78	200× 162× 83	483× 255× 88
Output electricity(A)	1~2.3A	4.3~6.5A	40A~

Laser Power Meter

Laser Power Meter (Model: VPL-2W/8W/30W/50W/100W)



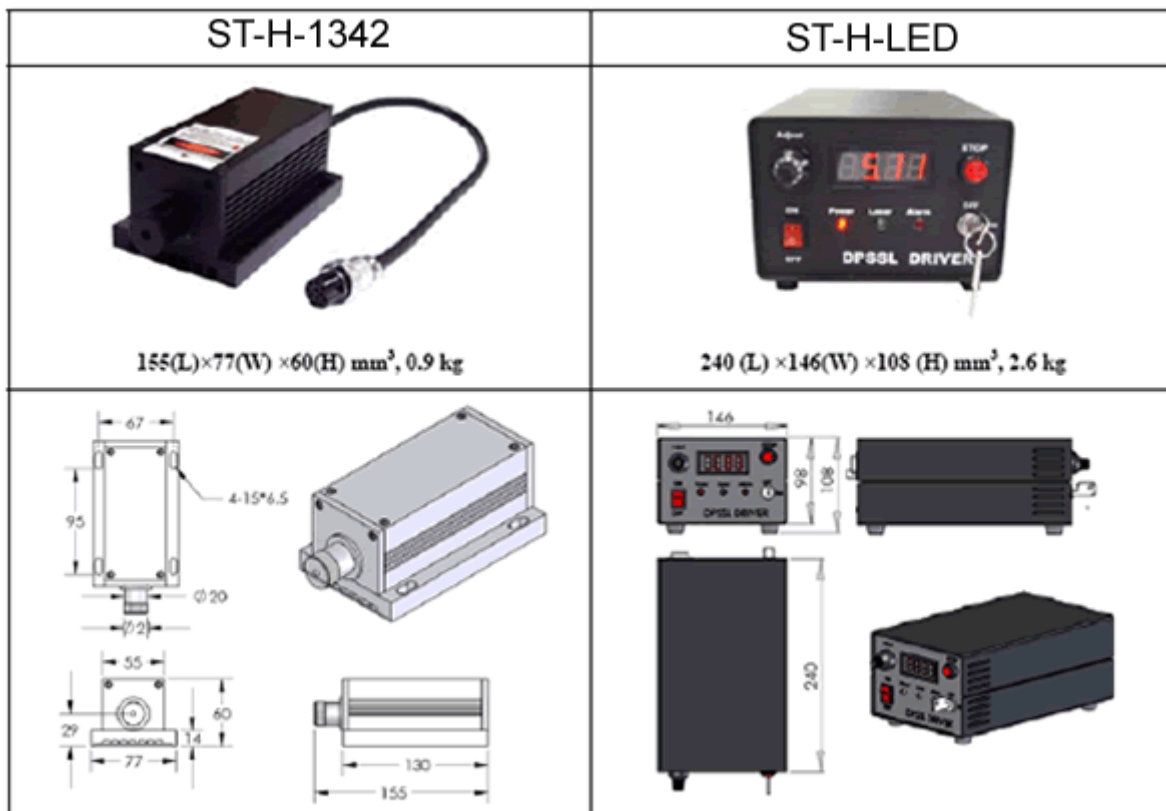
Applicability	CW laser				
Spectrum response range	200nm ~ 2500nm				
Measurement range	0~ 2W	0~8W	0~30W	0~50W	0~100W
Sensitive area of detector	Φ10mm				
Max permitted power density	200W				
Measurement error	<±5%				
Display precision	4 and 1/2 bits				
Input voltage	AC 80~260V 50Hz				
Power consumption	<10W				
Warranty Time	1 year				



ST-H-1342/1500~2000mW**LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1342nm**

All solid state infrared laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc

Wavelength (nm)	1342±1		
Output power (mW)	>1500, 1600, 1700, ... , 2000		
Transverse mode	Near TEM00		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<10		
M2 factor	<2.0		
Beam divergence, full angle (mrad)	<2.0		
Beam diameter at the aperture (mm)	~3.0		
Beam height from base plate (mm)	29		
Polarization ratio	>100:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	ST-H-LED	ST-H-FDA	ST-H-OEM
TTL modulation/ Analog modulation	Optional, 2kHz or higher (others on request, up to 30kHz)		
Expected lifetime (hours)	10000		
Warranty period	1 year		

Remark: Power supply model ST-H-LED has a display screen on the power supply and you can adjust the output power of the laser via adjusting the knob on the power supply. As to the ST-H-FDA and ST-H-OEM which do not have the function.



ST-H-FDA	ST-H-OEM
 <p data-bbox="260 409 619 439">238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p>	 <p data-bbox="850 409 1209 439">238 (L) ×146(W) ×94 (H) mm³, 2.2 kg</p>
