

Vista Specifications

Description	
Output Energy	up to 300 mJ/pulse (R6G peak)
Tuning Range ¹	380-980 nm
Bandwidth	0.05 cm ⁻¹ OR 0.03 cm ⁻¹
Beam Characteristics	
Beam Size	3 to 6 mm
Beam Divergence	<0.5 mrad
Beam Polarization	>98% vertical
Super Radiance (ASE)	
Peak of R6G	<0.2%
Edge of Dye Band	<0.5%
Frequency Stability ²	<0.0015 nm / °C
Repeatability ²	± 0.002 nm
Absolute Accuracy ²	± 0.015 nm
Efficiency	>30% at peak of R6G (for pulse duration < 8 ns)
Pump Energy	
	100-1000 mJ at 532 nm
	85-400 mJ at 355 nm
Polarization	
Output w/ 532 nm pumping	Vertical
Output w/ 355 nm pumping	Vertical



Vista Dye Laser with Vista FX, the wavelength extension package

Notes

1. With wavelength extension, the tuning range is 206 - 980 nm.
2. Measured with HighFinesse WS7 wavemeter.

As a part of our continuous improvement program, all specifications are subject to change without notice.

Grating Selection for Linewidth Options

Single Grating (High Resolution)	HR	HR-IR	HR-UV
Tuning Range	380 to 740 nm	510 to 980 nm	380 to 590 nm
Linewidth	0.05 cm ⁻¹ at 560 nm	0.07 cm ⁻¹ at 750 nm	0.05 cm ⁻¹ at 515 nm
Dual Grating (Ultra High Resolution)	UHR	UHR-IR	UHR-UV
Tuning Range	510 to 715 nm	680 to 950 nm	410 to 570 nm
Linewidth	0.03 cm ⁻¹ at 560	0.05 cm ⁻¹ at 750 nm	0.03 cm ⁻¹ at 515 nm