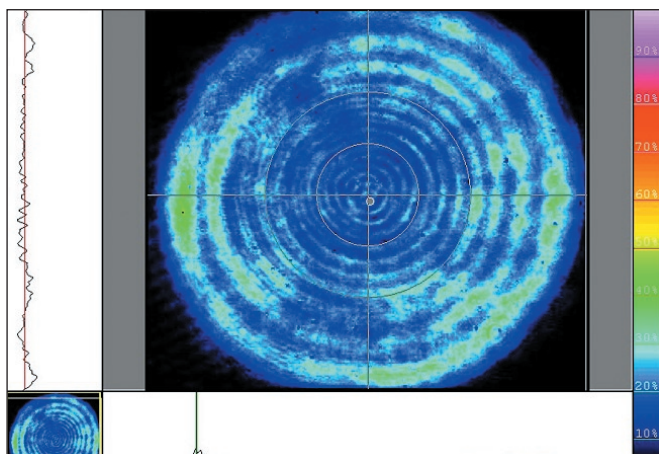


LS-2134U Pulsed Nd:YAG Laser with Variable Reflectivity Mirror



LS-2134U is an improved modification of our most reliable LS-2134 laser with Variable Reflectivity Mirror (VRM), which keeps such advantages of this model as rugged design, high stability and friendly used operation.

VRM resonator gives excellent harmonics conversion due to increased spatial uniformity of output beam, low divergence and short pulse duration.



Beam profile (1064 nm) in near field.

The sealed beam path eliminates the possibility of contamination of resonator optics.

LS-3134U is an ideal tool for research (LIDAR, spectroscopy including LIF, LIBS) and OEM applications.

Specification

Parameter	Value	
Energy, mJ	1064 / 532 nm	270 / 170
Pulse duration, ns	1064 / 532 nm	7-8 / 6-7
Pulse repetition rate, Hz	1-15	
Beam divergence, mrad	≤0.8	
Beam diameter, mm	≤6.0	
Jitter*, ns	±1.0	
Pointing stability, mrad	±0.1	
Energy stability** (1064 nm), %	±3.0	
Size L x W x H, mm (Weight, kg)	Laser head	646 x 150 x 113 (14.0)
	Power supply	363 x 364 x 192 (15.5)
	Cooling system	363 x 364 x 192 (12.5)
	Remote control	105 x 175 (0.5)
Power requirements	Single phase, 220±20 V, 50-60 Hz, 750 W	

* with respect to external trigger of Q-switch

** shot to shot for 99% of pulses

