

# LS-2137U-N PULSED Nd:YAG LASER



**LS-2137U-N is an modern, short pulse modification of the power laser LS-2137N with VRM, which keeps such advantages of this model as rugged design, high stability and friendly used operation.**

New laser head design provides easy switchable output beams at 1064 nm, 532 nm, 355 nm and 266 nm without removing protective cover and additional alignment. Fourth harmonics generator based on BBO crystal allows to obtain high stability of 266 nm wavelength. VRM resonator gives excellent harmonics conversion due to increased spatial uniformity of output beam, low divergence and short pulse duration. LS-2137U-N the ideal tool for research (LIDAR, spectroscopy including LIF, LIBS) and OEM applications. PC control wavelength switching is available on request.

## SPECIFICATIONS<sup>1</sup>

Model		LS-2137U-N
Energy, mJ	1064 nm 532 nm 355 nm 266 nm	700 400 160 120
Pulse duration (FWHM at 1064 nm), ns		6-7
Pulse repetition rate, Hz		10
Beam divergence ( $\Theta_{0.86}$ ), mrad		$\leq 0.8$
Beam diameter, mm		$\leq 8$
Jitter <sup>2</sup> , ns		$\pm 1.5$
Energy stability 1064nm (rms), %		2.5
Size L x W x H, mm (Weight,kg)	Laser head Power supply Cooling system Remote control	950 x 304 x 143 (17.0) 363x364x192 (15.0) 363x364x280(12.0) 105 x 175 (0.5)
Input Power requirements		Single phase, 220 $\pm$ 20V, 50/60 Hz, 10 A

<sup>1</sup> All specifications are subject to change without notice

<sup>2</sup> With respect to external trigger of Q-switch

