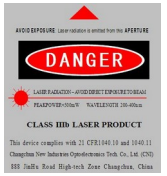
+1-631-246-3067
info@aladdinoptics.com

UV-DP-LN series

LD PUMPED ALL-SOLID-STATE LOW NOISE UV LASER

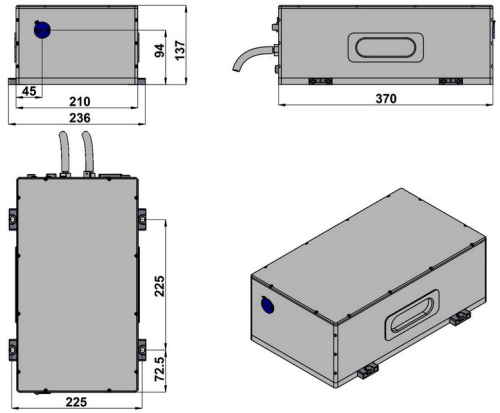
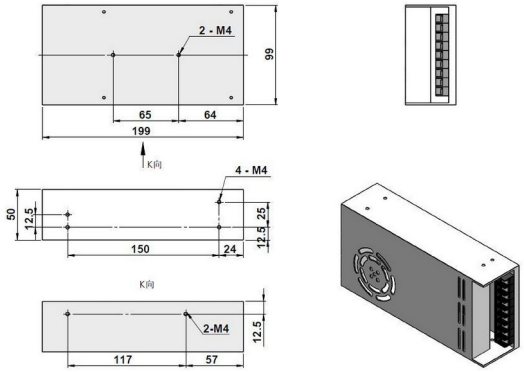
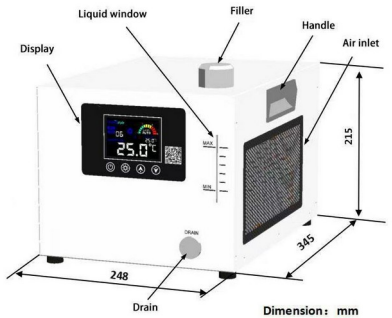




Low noise all solid state laser is made features of ultra compact, easy operating, high power and staiblity, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument, physics experiment, etc.

SPECIFICATIONS

Central wavelength (nm)	261±1		320±1	335±1	340±1	349±1	360±1
Operating mode	CW						
Output power (mW)[1]	1-500	500-800	30-1500	10-500	1-500	50-2000	100-1500
Power stability (rms, 4 hours±3℃)	<2%, <1%, <0.5%						
Transverse mode	Near TEM_{00}						
Beam diameter at the aperture ($1/e^2$, mm)	<3.0						
Spectral line width (nm)	<0.2, <0.003	<0.2	<0.2, <0.003		<0.2	<0.2, <0.003	
Noise of amplitude (rms, 20Hz-20MHz)	<1%						
Beam divergence, full angle (mrad)	<3.0						
Warm-up time (minutes)	<10						
Polarization ratio	>50:1(>100:1 optional) Vertical (Horizontal optional)						
Beam height from base plate (mm)	94						
Cooled method (Water Cooled)	WCH-580						
Operating temperature (℃)	10-35						
Operating voltage (VDC)	12V/ 25A						
Expected lifetime (hours)	>10000						

LASER HEAD (DRIVER Integrated)	POWER SUPPLY (100-240VAC) optional	WATER CHILLER (WCH-580)
		
370(L)×236(W)×137(H) mm³	**199(L)×99(W)×50(H) mm³, 1.0kg**	**345 (L) ×248 (W) ×215(H) mm³, 10.5kg**

1 Any power level can be selected in this range.