

## NewOpto Technology Corporation

### 双波长调制激光器



新势力光电供应双波长调制激光器，Cobolt 04-01 Series 区间任意两款单纵模激光器(457-594nm)可以随机组合。该系列双波长激光器具有如下特点：Modulated 125Hz，Rise time<350 $\mu$ s、Power Stability 3%，广泛应用于 OEM 系统集成和科学研究。

Cobolt Modulated Dual Combiner: Suitable for combining Cobolt 04-01 lasers, models 457-594nm	
Wavelength[nm]	Any two of 457nm, 473nm, 491nm, 515nm, 532nm, 561nm, 594nm
Spectral linewidth	<1MHz(<0.01pm)
Spatial mode	TEM00, M2<1.1
Beam diameter at aperture	700 $\mu$ m
Beam divergence(full angle)	<1.2mrad
Beam overlap	<250 $\mu$ rad
Long-term stability(8hrs)	<3%( $\pm$ 3 $^{\circ}$ C)
Beam pointing stability(10-40 $^{\circ}$ C)	<25 $\mu$ rad/ $^{\circ}$ C
Polarization ratio(linear)	>100:1
Total system power consumption	<70W, typical<30W
Operating temperature	10-40 $^{\circ}$ C
Heat sink thermal resistance	0.5K/W
Dual Combiner dimensions	190 $\times$ 65 $\times$ 46mm
Controller dimensions[mm]	190 $\times$ 72 $\times$ 28mm
Communication	RS-232 or USB
Warranty	24months
<i>Shutter specifications</i>	
Modulation frequency(SR475 shutter)	125Hz(external TTL controller available)
Rise time	<350 $\mu$ s
Options & Accessories	Mounting block FIC-03
	SM/PM or MM fiber coupling(Qioptig, OZ Optics and more)