

Microscopic Imaging Laser

Microscopic imaging laser can combines different wavelengths into a system and one fiber outputs. The flexible design enables integration of optional AOM modulator that allow fast modulation of DPSS lasers.



SPECIFICATIONS

Wavelength combination (nm)	405/488/561/640	405/488/532	405/488/561
Wavelength (nm)	±5/±5/±1/±5	±5/±5/±1	±5/±5/±1
Operating mode	CW		
Output power after fiber (mW)	30/30/30/30	30/30/30	30/30/30
Power stability (rms, over 4 hours)	<3%, <2%, <1%		
Transverse mode	TEM ₀₀ (single mode fiber output)		
Noise of amplitude (rms, 20Hz~20MHz)	<0.5%		
Noise of amplitude (peak-to-peak, 20Hz~20MHz)	<5%		
M ² factor after fiber	<1.1		
Polarization ratio	Random (>30:1 after PM fiber optional)		
Fiber type	SM fiber (PM fiber optional)		
Fiber Core Diameter(μm)	4~9		
Fiber NA	0.10-0.15		
Fiber Connector	FC/APC		
Fiber Length (m)	2 (Other lengths are available on request)		
Fiber jacket	PVC or metal jacket		
Warm-up time (minutes)	<5		
Operating temperature (°C)	10~35		
Input voltage	DC12V/ DC24V (add AOM)		
Modulator optional	AOM [®]		
Modulation optional	Digital (TTL)-- laser on/off		
	Analog (0-5V)—adjusting power		
Expected lifetime (hours)	10000		
Warranty	1 year		

[®]AOM modulator is only for DPSS laser.

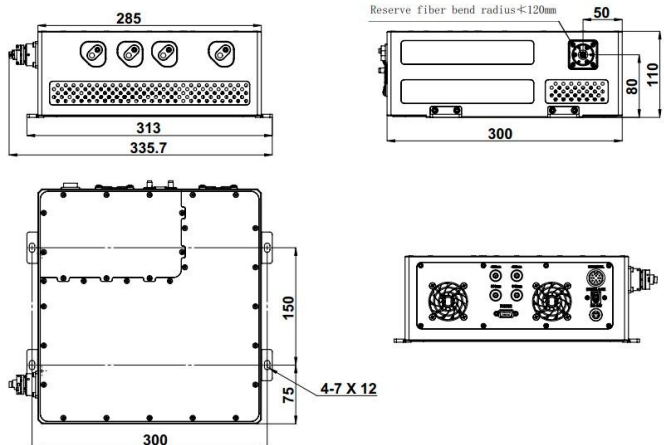
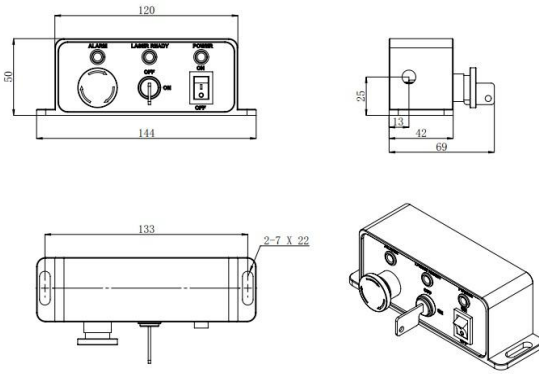
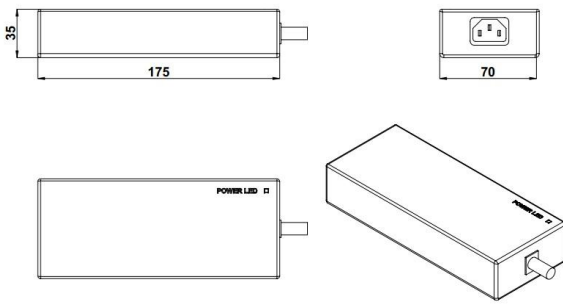


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Remark: Please consult CNI for customized configurations and modifications available.

FC-xxx/ FC-xxxx laser	Controller	Optional Adaptor (100-240VAC)
 335.7 (L)×300 (W) ×110 (H) mm³	 69 (L)×144 (W) ×50 (H) mm³	 175 (L)×70 (W) ×35 (H) mm³