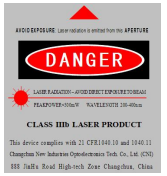
UV-FN-xxx-SM Series

SM FIBER OUTPUT LASER

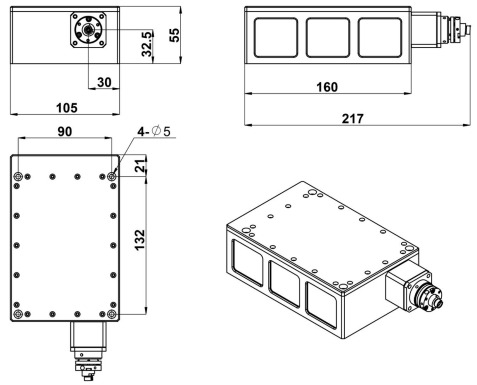
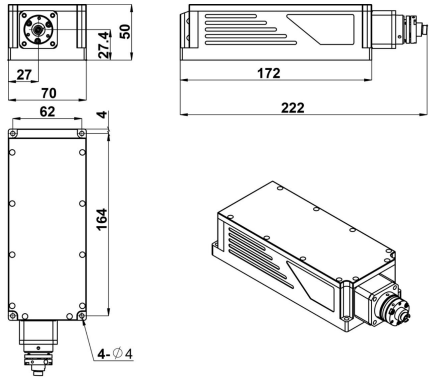
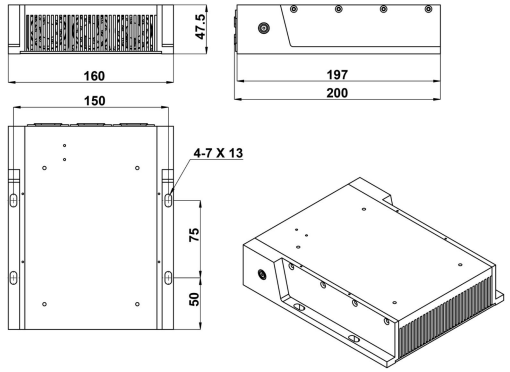
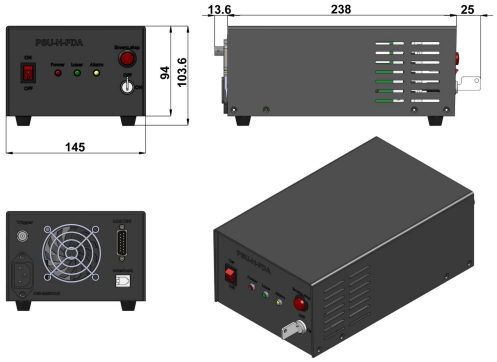
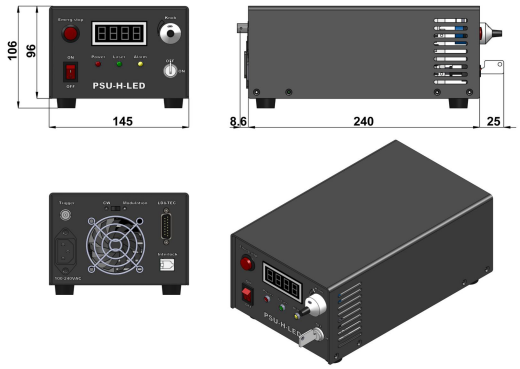
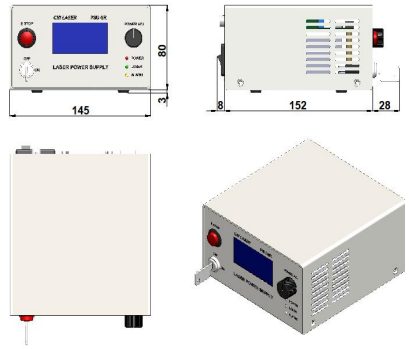




CNI has a long experience in the delivery of fiber coupled laser light sources providing high efficiency and long term stability. All laser types can be offered with appropriate fiber coupling systems. This type is specifically designed for single-mode fiber coupling with high power stability and long term stability.

SPECIFICATIONS

Wavelength (nm)	349±1	355±1	360±1
Operating mode	CW		
Output power (mW)[1]	1-50	1-20	1-50
Power stability (rms, 4 hours±3℃)	<3%, <2%, <1%	<5%, <3%	<3%, <2%, <1%
Transverse mode	TEM_{00}		
M^2	<1.2		
Polarizaiton (optional)	/	>50:1 after PM fiber (>100:1 optional)	
Fiber connector	FC/APC		
Fiber jacket	PVC		
Fiber length[2]	1m		
Warm-up time (minutes)	<10		
Operating Temperature (°C)	10-35		
Modulation option	DC-1kHz; TTL and Analog optional		
Power supply (100-240VAC)	PSU-H-FDA/PSU-H-LED/PSU-SR	PSU-H-FDA	PSU-H-FDA/PSU-H-LED/PSU-SR
Expected lifetime (hours)	>10000		

LASER HEAD (UV-FN-349/360-SM)[3]	LASER HEAD (UV-FN-355-SM)[3]	HEATSINK (OPTIONAL TC-02-FS-L)
		
217 (L) × 105(W) ×55(H) mm³, 2.5 kg	**222(L)×70(W)×50(H) mm³, 1.5kg**	**200(L)×160(W)×47.5(H) mm³, 2.0 kg**
POWER SUPPLY (PSU-H-FDA)[4]	POWER SUPPLY (PSU-H-LED)[5]	POWER SUPPLY (PSU-SR)[5]
		
276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg	**273.6 (L) ×145(W) ×106 (H) mm³, 2.3 kg**	**188(L) ×145(W) ×83(H) mm³, 1.2kg**

1 Any power level can be selected in this range.

2 Other lengths are available on request.

3 The laser head needs to be used on a heat sink with good heat dissipation.

4 Fixed output power.

5 Output power adjustable 10-100%; RS232