

超连续谱激光器 – 高能量系列

Supercontinuum laser-High energy series

产品描述

Product description

HE 型超连续谱激光器系列可以提供高能量的宽带超连续谱，通过调节重复频率和输出能量可实现客户的不同需求，可选外部触发功能。

HE supercontinuum laser series can provide high-energy broadband supercontinuum. By adjusting repetition rate and output energy, different requirements of customers can be realized. External trigger function is optional.

另外，我们可以根据用户不同的需求，定制超连续谱脉冲宽度、重复频率、输出能量、发散角等光学参数。

In addition, we can customize pulse width, repetition frequency, output energy, divergence angle and other optical parameters of supercontinuum according to different needs of users.

产品特点

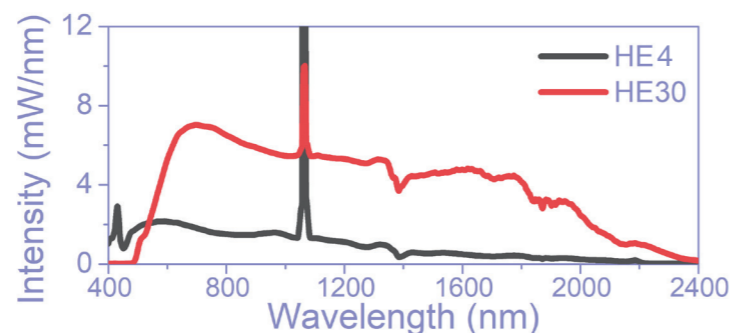
Product characteristics

高能量
High energy

宽带宽
Wide band

重复频率、输出功率可调
Adjustable repetition frequency and output power

高稳定性
High stability



产品应用

Product application

主动式高光谱成像
Active hyperspectral imaging

激光雷达
Lidar

远距离光谱标定
Remote spectral calibration

太阳光模拟
Sunlight simulation

产品规格

Fiber specifications

光学特性 Optical specifications

Model	HE4	HE30
Cut-in wavelength ¹⁾	380 nm	480 nm
Total energy	15 μJ^2	120 μJ^3
Visible energy (400-850 nm)	4 μJ^2	30 μJ^3
Total power	2 W	7.4 W
Spectral range	380-2400 nm	480-2400 nm
Power stability	<0.5% (RMS)	<0.5% (RMS)
Variable repetition rate	50kHz-200kHz	50kHz-200kHz
Beam pointing accuracy	2 mrad	2 mrad
Polarization	Random	Random

1): The intensity of cut-in wavelength is larger than 0.1 mW/nm.

2): Max energy is under the repetition rate of 130 kHz.

3): Max energy is under the repetition rate of 60 kHz.

电学和物理特性 Electrical and physical properties

Model	HE4	HE30
Length of output fiber	1.5 m	1.5 m
Synchronous output signal	BNC; TTL voltage level	BNC; TTL voltage level
Operation voltage	100-240 V; 50/60 Hz	100-240 V; 50/60 Hz
Power consumption	< 50 W	< 120 W
Dimensions (W×H×L)	397×301×100mm	397×301×100 mm
Weight	13 kg	13 kg

