

BPF-Sxxx series

Beam Profiler for High Power Lasers

Total spectral range 380 – 1070nm



Features

- Unique fluorescence imaging technology (PAT)
- Direct measurement at the front top fluorescent plate without any optical attenuators
- High optical damage threshold
- Speckle free
- Real time imaging
- Operation mode, CW and pulsed with ex. trigger

Applications

- Laser processing
- Laser alignment
- Laser manufacturing
- Medical care
- Industry
- LiDAR

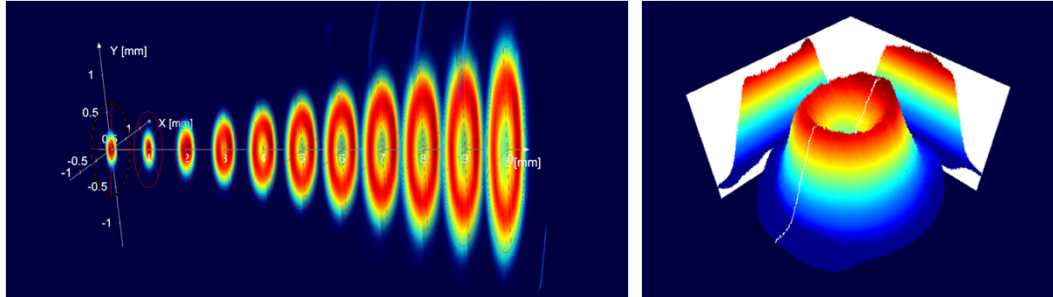


Specifications

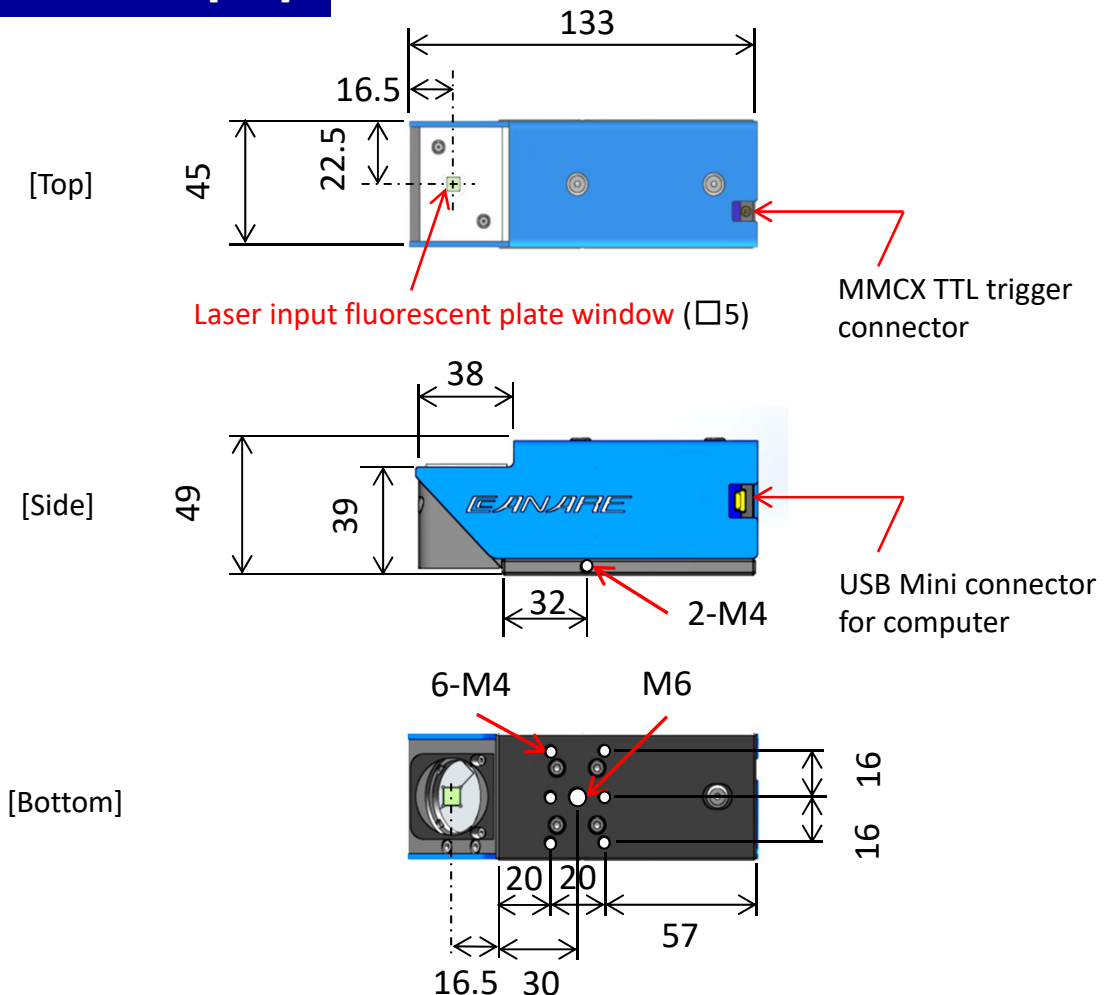
Spectral range	380 – 550nm (S400) 750 – 900nm (S800) 900 – 980nm (S900) 1030 – 1070nm (S1000)	Linearity error	< 10% (1.2MW/cm ² S400/S900) < 10% (3kW/cm ² S800/S1000)
Active area	□5mm	Spatial inaccuracy	< 1%
Resolution	5.3μm	Damage threshold	> 2MW/cm ² (S400) < 100kW/cm ² (S1000)
Min. beam diameter	53μm	Signal intensity non-uniformity	< 10%
Max. beam diameter	4mm	Beam diameter non-uniformity	< 5%
Frame rate	up to 20Hz	Interface	USB2.0
Operation modes	CW / Pulse	OS	Windows 7/8/10 (32/64bit)
Dimensions (WxHxL)	45 x 49 x 133mm		
Weight	460g		
Operating temp. range	0 – 40°C		

Performance Data Diagrams

2D cross-sectional views of the BPF-L800 output beam from a multimode optical fiber measured from the fiber end face at 1mm intervals. The core diameter of the fiber is 365 μ m and the output power is 10W CW at 885nm. (Cladding mode observed.)



Device dimensions [mm]



Software

- (1) Software is provided on the USB memory stick included with the product.
- (2) Three software versions are made available, with different functions depending on the version.

Please specify the version required when ordering.

Version: **Lite, Standard, Professional**

For details, please refer to the software function comparison table on our website.

Canare continually improves its products to provide customers with outstanding quality and reliability. Changes may be made to specifications and product descriptions at any time, without notice. In addition, a limited warranty is provided to ensure complete customer satisfaction. For full details, please contact Canare sales representative.