

## Accurate 11mm\*7mm Laser Beam Profiler For Laser System Research

### Our Product Introduction

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#### Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001 IP30 IP40
- Model Number: BA1023
- Minimum Order Quantity: 1
- Price: USD2750 - USD2900
- Packaging Details: International Shipping Package
- Delivery Time: 30 Working Days
- Payment Terms: T/T
- Supply Ability: 100PCS/ 30 Working Days



#### Product Specification

- Wavelength Range: 280nm-1100nm
- Effective Sensing Area: 11mm\*7mm
- Cell Size: 5.86μm\*5.86μm
- Minimum Detection Area: 30μm (5 Pixls)
- SNR: 40 DB
- Support Operating Systems: Windows 10(64bit)and Linux(Ubuntu X86)
- Highlight: **11mm\*7mm Laser Beam Profiler, 11mm\*7mm laser beam analyzer, accurate Laser Beam Profiler**



Product Description

Accurate 11mm×7mm Laser Beam Profiler For Laser System Research

Key Specifications

| Attribute                 | Value                                   |
|---------------------------|---|
| Wavelength Range          | 280nm-1100nm                            |
| Effective Sensing Area    | 11mm×7mm                                |
| Cell Size                 | 5.86μm×5.86μm                           |
| Minimum Detection Area    | 30μm (5 Pixls)                          |
| SNR                       | 40 DB                                   |
| Support Operating Systems | Windows 10(64bit) and Linux(Ubuntu X86) |

Product Overview

The BA1023 Laser Beam Profiler provides precise laser beam spot measurement and analysis with a wavelength range of 280nm-1100nm, making it suitable for diverse laser applications. With an SNR of 40 DB, this device delivers consistently accurate results.

The compact design (78×45×38.5mm without base) and USB3 Vision/GenICam interface make this beam profiler portable and easy to integrate with other equipment.

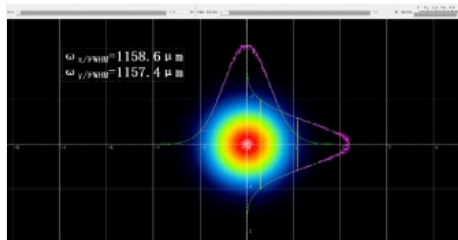
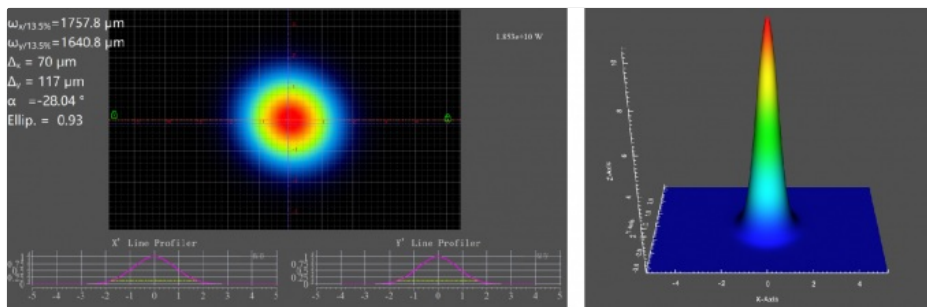
Technical Features

- Effective Sensing Area: 11mm×7mm
- Support for Windows 10 (64bit) and Linux (Ubuntu X86)
- Special functions including real-time dual light spot comparison and background cropping
- 2.3MP, 1/1.2" CMOS sensor
- USB-powered or 12V DC external power options
- Advanced analysis capabilities: 2D & 3D spot reconstruction, Gaussian fitting

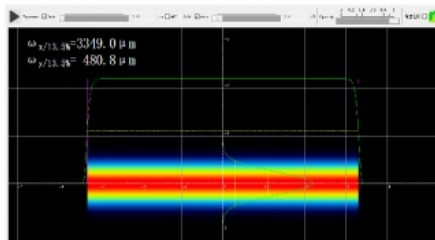
Product Models Comparison

| Parameter              | BA1023              | BA1024Ga             | BA1024Gb            | BA1024Ua                     | BA1024U<br>b |
|------------------------|---------------------|----------------------|---------------------|------------------------------|--------------|
| Effective Sensing Area | 11mm×7mm            | 13mm×8.7mm           | 7mm×5.5mm           | 4.9mm×3.7mm                  |              |
| Sensor                 | 2.3MP, 1/1.2" CMOS  | 20MP, 1" CMOS        | 2MP, 1/1.7" CMOS    | 0.4MP, 1/2.9" CMOS           |              |
| Maximum Frame Rate     | 41<br>fps@1920×1200 | 5.9<br>fps@5472×3648 | 90<br>fps@1624×1240 | 526.5 fps @720×540<br>Mono 8 |              |
| Data Interface         | USB                 | GigE                 | USB                 |                              |              |

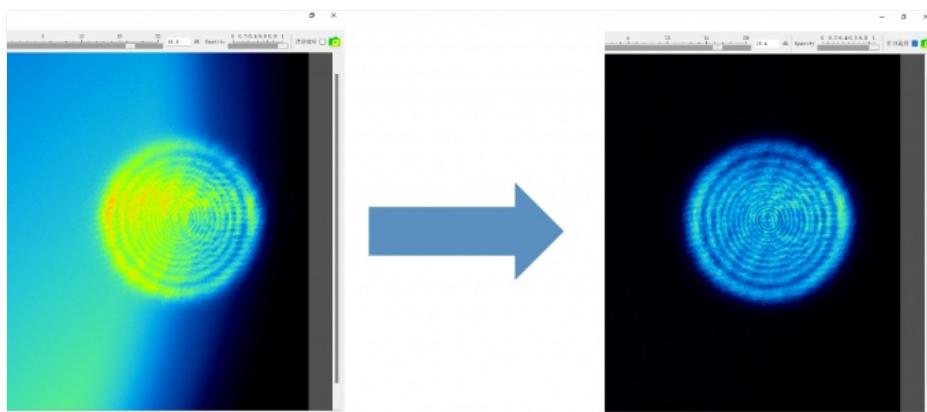
Product Images



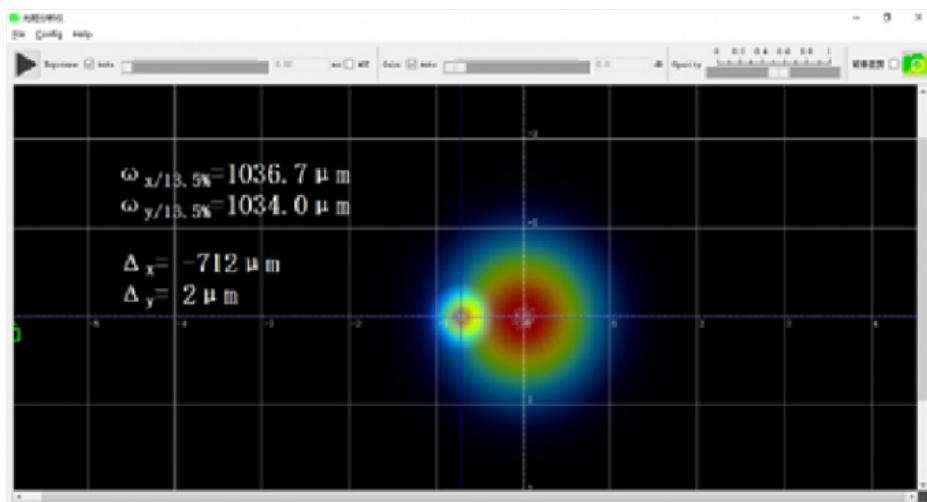
Gaussian Fitting

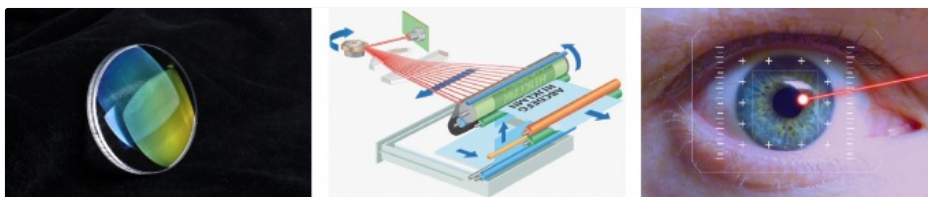
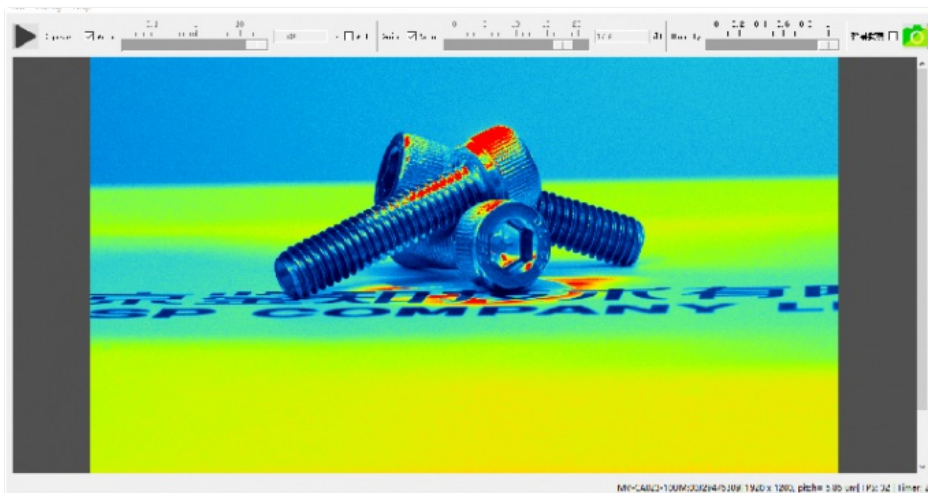


Gaussian & Super-Gaussian fitting



Background Shear





## Support & Services

Our comprehensive support includes:

- Installation and setup assistance
- Troubleshooting and technical guidance
- Calibration services for measurement accuracy
- Maintenance and repair services
- Operation training upon request

## Frequently Asked Questions

**Q: What is the brand and model of this beam profiler?**

A: JINSP BA1023

**Q: What certifications does this product have?**

A: CE, ISO9001, IP30, and IP40

**Q: What is the delivery time?**

A: 30 working days for standard product



☎ 8618620854039

✉ phoebeyu@jinsptech.com

🌐 spectralanalyser.com

21st Floor, Building D, Tsinghua Tongfang Science and Technology Plaza, Haidian District, Beijing China