

## Ultimate Sensitivity Transmission Imaging Spectrometer ST50S Reliable

### Our Product Introduction

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#### Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001
- Model Number: ST50S
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 40-70working days
- Payment Terms: T/T, Western Union
- Supply Ability: 100 PCS/70-90 days



#### Product Specification

- Cell Size: 25μm\*500μm
- Effective Pixels: 512\*1
- Wavelength Range: 1080nm~1330nm
- Width Of The Incident Slit: 6 Cm-1 (25 μm) 8 Cm-1(50 μm)
- Product Name: High-Throughput Transmission Imaging Spectrometer Quick And Accurate Measurements
- Dimensions: 253\*152\*93(mm)
- Fiber Interface: SMA905 Or Φ10mm Multi-core Optical Fiber
- Weight: <4kg (including Camera)
- Highlight: **Transmission Imaging Spectrometer,  
Ultimate Sensitivity Imaging Spectrometer,  
Ultimate Sensitivity spectral analyser**

## Product Description

Transmission Imaging Spectrometer ST50S from JINSP Company Limited

### Product Description:

The High-Throughput Transmission Fiber Spectrometer is compatible with a variety of fiber interfaces, including SMA905 and  $\Phi 10\text{mm}$  multi-core optical fiber. This makes it easy to integrate into existing systems and workflows, and enables flexible and versatile measurements in a range of settings. Whether you are working in the lab, in the field, or in an industrial setting, this spectrometer is a reliable and efficient tool for your spectral analysis needs.



### Features:

Features:  
1064nm Confocal Raman microscopy  
Spectrometer  
VPH volume holographic transmission grating

### Technical Parameters:

Wavelength Range	1080nm~1330nm
Optical Resolution	0.2-2nm
Effective Pixels	512*1
Dimensions	253*152*93(mm)
Grating Type	VPH volume holographic transmission grating
Cell Size	25μm*500μm

## Product Parameters

	Performance Indicators	Parameters
Detector	-	See model table for detailed parameters
Optical Parameters	Wavelength Range	1080nm~1330nm corresponds to 140~1880cm <sup>-1</sup>
	Optical Resolution	0.35nm, corresponds to 8cm <sup>-1</sup> (50μm slit) 0.25nm, corresponds to 6cm <sup>-1</sup> (25μm slit)
	Grating Type	VPH volume holographic transmission grating
	Diffraction Efficiency	>85%
	Fiber Interface	SMA905 or Φ10mm multi-core optical fiber
	Numerical Aperture	0.25
Electrical Parameters	Integration Time	1ms-3600s
	Data Output Interface	USB or serial port
	ADC Bit Depth	16-bit
	Power Supply	DC 5V (±0.5V)
	Operating Current	3A
	Operating Temperature	-20°C ~60°C
	Storage Temperature	-30°C ~70°C
Physical Parameters	Operating Humidity	<90%RH (no condensation)
	Dimensions	253mm*152mm*93mm
	Weight	<4kg (including camera)

### List of Product Models

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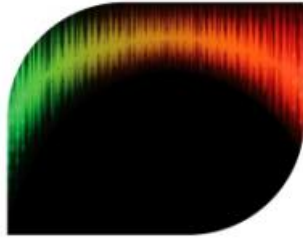
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Classification of different detectors

Product Model	ST50S1	ST50S2
Detector Brand or Model	Hamamatsu Secondary deep cooling InGaAs	AndoriDus InGaAs
Number of Pixels	512*1	512*1
Pixel Size	25μm*500μm	25μm*500μm
Cooling Temperature °C	-20	-80

\* Customization available for other ranges

# Typical Applications



## *Research-grade Raman spectroscopy detection system*

1064nm Confocal Raman microscopy

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## *Integration of industrial Raman system*

Chemical Industry Online  
Biopharmaceuticals

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### **Support and Services:**

The High-Throughput Transmission Fiber Spectrometer product comes with the following technical support and services:

Installation assistance and guidance for optimal performance

Product training and education for efficient and effective use

Performance troubleshooting and diagnosis

Repair and replacement services

Regular maintenance and calibration to ensure accuracy and reliability

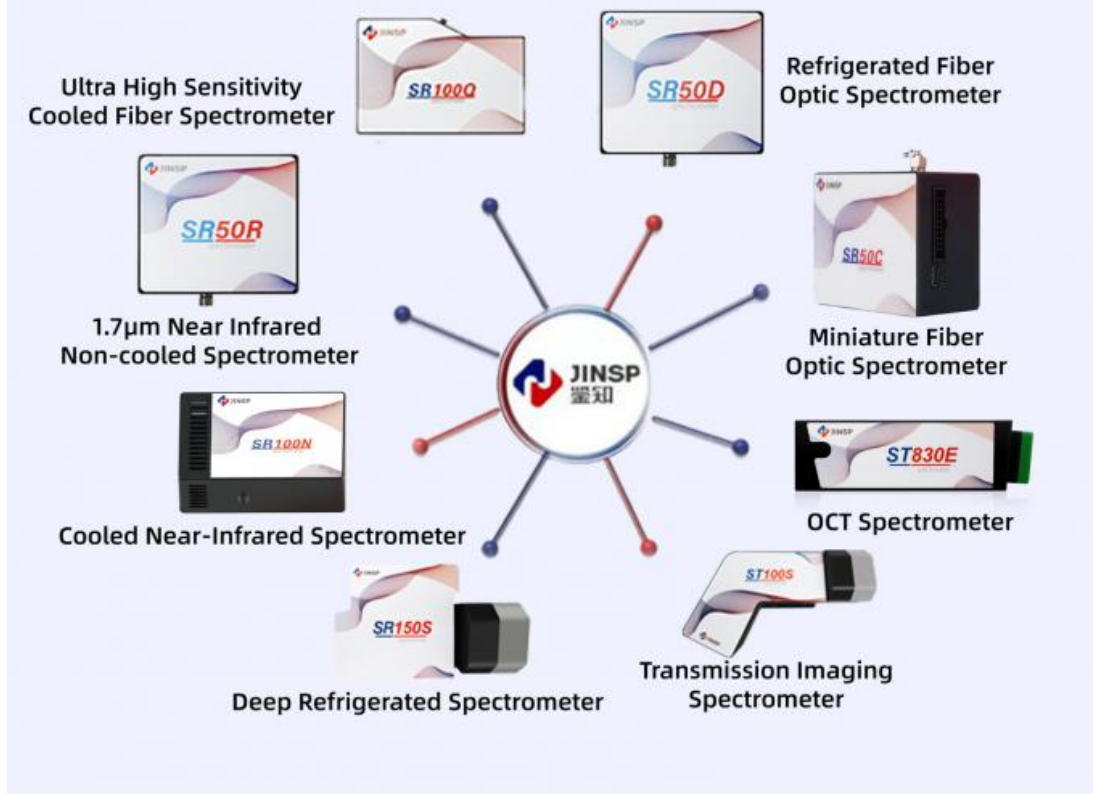
Access to online resources and documentation

# Company Profile





# Spectrometer Series



## Packing and Shipping:

### Product Packaging:

The High-Throughput Transmission Fiber Spectrometer comes in a sturdy cardboard box with foam inserts for added protection during shipping.

The device is wrapped in bubble wrap to prevent any scratches or damages.

The box also includes a user manual, and software installation CD.

The packaging is labeled with the product name, model number, and serial number for easy identification.

# Package



Packaging Box



ST90S



Internal Packaging

# Certifications



## FAQ:

A: The brand of the High-Throughput Transmission Fiber Spectrometer is JINSP.

2. Q: Where is the High-Throughput Transmission Fiber Spectrometer manufactured?  
A: The High-Throughput Transmission Fiber Spectrometer is manufactured in China.

3. Q: What is the minimum order quantity for the High-Throughput Transmission Fiber Spectrometer?  
A: The minimum order quantity for the High-Throughput Transmission Fiber Spectrometer is 1.

4. Q: What payment terms are accepted for the High-Throughput Transmission Fiber Spectrometer?  
A: The accepted payment terms for the High-Throughput Transmission Fiber Spectrometer are T/T and Western Union.

5. Q: What is the delivery time for the High-Throughput Transmission Fiber Spectrometer?  
A: The delivery time for the High-Throughput Transmission Fiber Spectrometer is between 40-70 working days.



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