SMA905 High Throughput Transmission Fiber Spectrometer Effective Pixels 512*1

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: ISO90001
- 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

- Diffraction Efficiency: Approximately 90%
- Grating Type: VPH Volume Holographic Transmission Grating
- Applications: Research-grade Raman Spectroscopy Detection System, 1064nm Confocal Raman Microscopy, Integration Of Industrial Raman System, Chemical Industry Online, Biopharmaceuticals
- Dimensions: 253*152*93(mm)
- Fiber Interface: SMA905 Or Φ10mm Multi-core Optical Fiber
- Weight: <4kg (including Camera)
- Highlight: **High Throughput Transmission Fiber Spectrometer**, **SMA905 Fiber Spectrometer**, **SMA905 spectroscopy instrument**

Our Product Introduction

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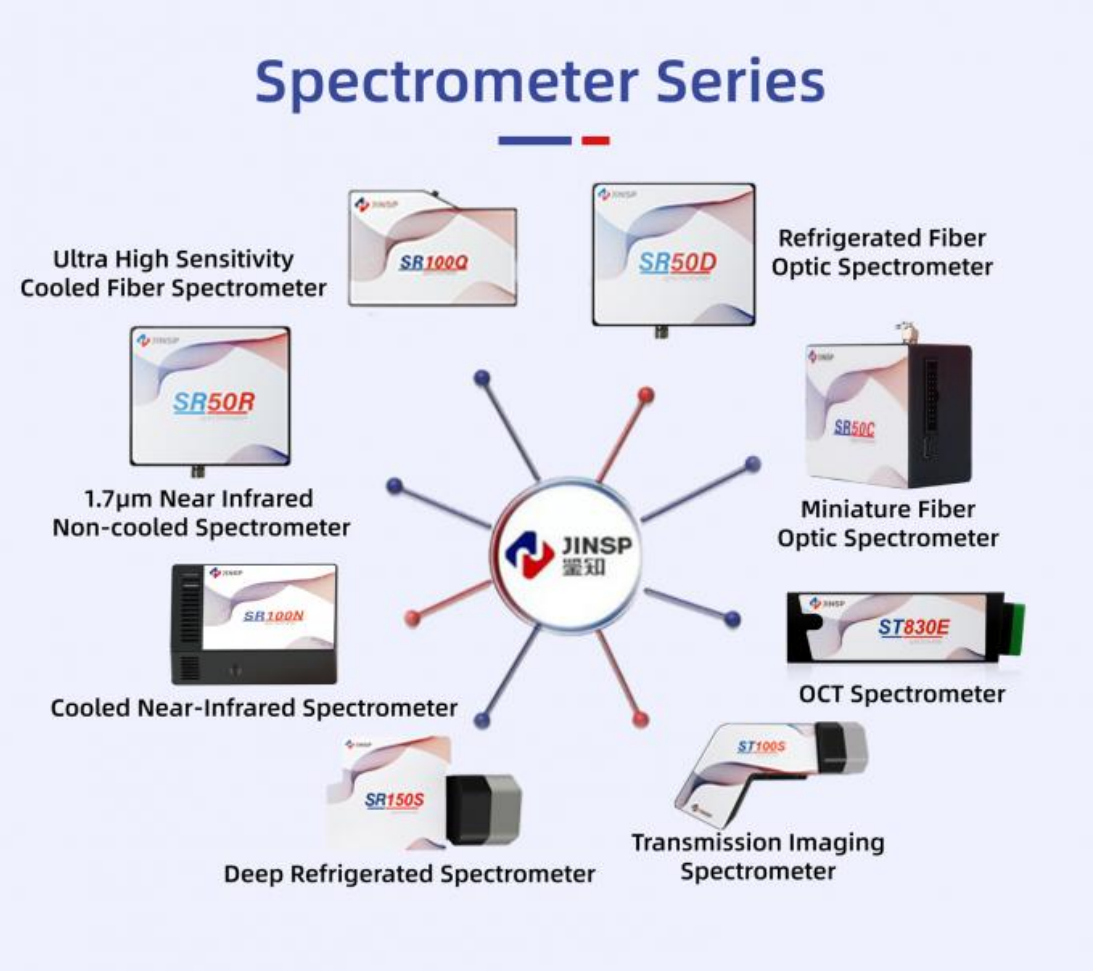
Product Description

Throughput Transmission Fiber Spectrometer Effective Pixels
Our High-Throughput Transmission Fiber Spectrometer is part of our Fiber Optic Spectrometers product category, which guarantees that you are getting a high-quality and reliable product. The dimensions of this spectrometer are 253*152*93(mm), making it compact enough to fit in your laboratory without taking up too much space. The cell size of this spectrometer is 25μm*500μm, which is perfect for analyzing small samples.

Features:

Product Name: High-Throughput Transmission imaging Spectrometer Quick and Accurate Measurements
Fiber Interface: SMA905 or Φ10mm multi-core optical fiber
Dimensions: 253*152*93(mm)
Diffraction Efficiency: Approximately 90%
Wavelength Range: 1080nm~1330nm
This product is not a Raman portable spectrometer nor does it have 1064nm Confocal Raman microscopy functionality.



Technical Parameters:

Grating Type	VPH volume holographic transmission grating
Width Of The Incident Slit	6 Cm-1 (25 μm) 8 Cm-1(50 μm)
Cell Size	25μm*500μm
Integration Time	1ms-3600s
Detector	Line Array CMOS
Effective Pixels	512*1
Dimensions	253*152*93(mm)
Applications	Research-grade Raman spectroscopy detection system, 1064nm Confocal Raman microscopy, Integration of industrial Raman system, Chemical Industry Online, Biopharmaceuticals

Product Parameters

	Performance Indicators	Parameters
Detector	-	See model table for detailed parameters
Optical Parameters	Wavelength Range	1080nm~1330nm corresponds to 140~1880cm^{-1}
	Optical Resolution	0.35nm, corresponds to 8cm^{-1}(50μm slit) 0.25nm, corresponds to 6cm^{-1}(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)
	perating Current	3A
	Operating Temperature	-20°C ~60°C
	Storage Temperature	-30°C ~70°C
	Operating Humidity	<90%RH (no condensation)
Physical Parameters	Dimensions	253mm*152mm*93mm
	Weight	<4kg (including camera)

List of Product Models

S T 50 S - X → Classification of different detectors

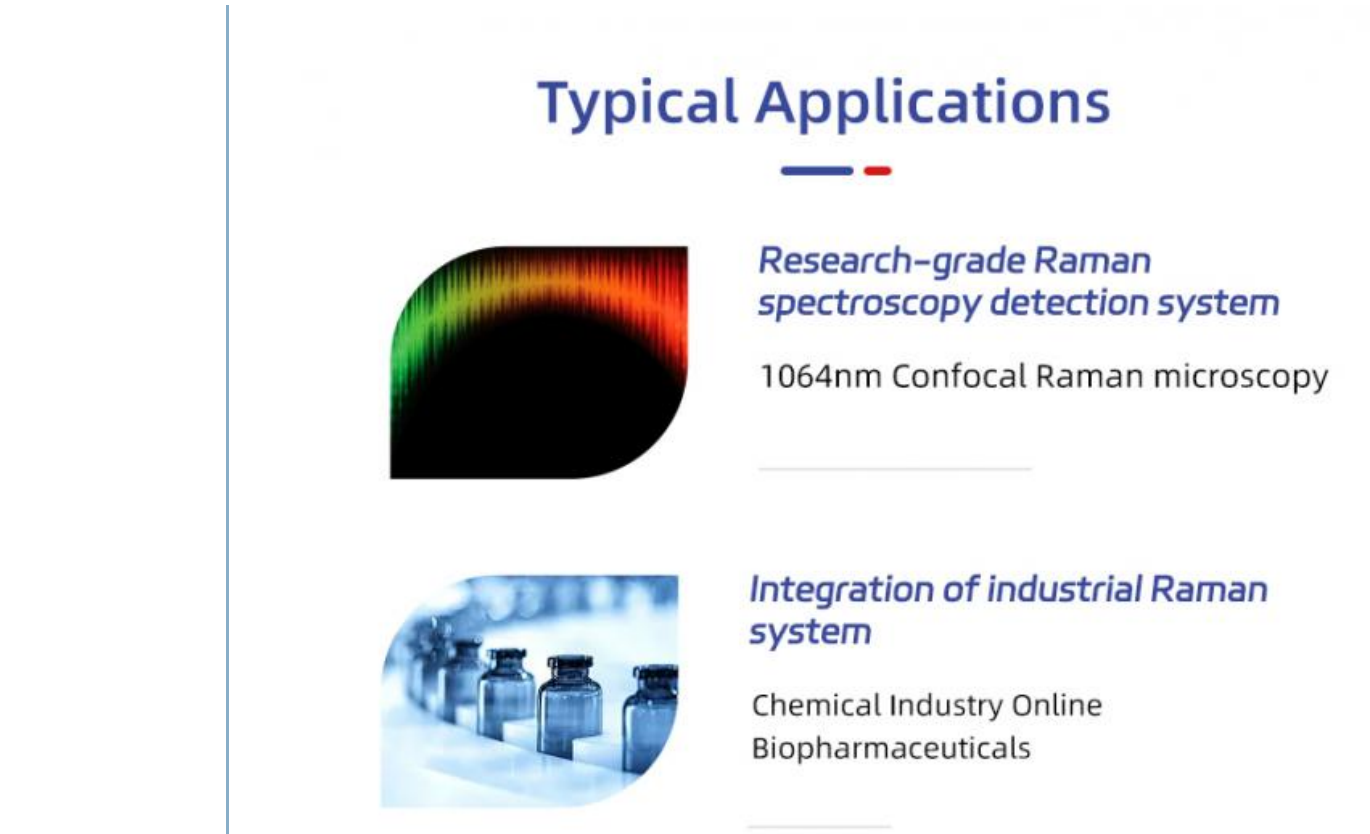
Product Model	ST50S1	ST50S2
Detector Brand or Model	Hamamatsu Secondary deep cooling InGaAs	AndoriDus InGaAs
Number of Pixels	512*1	512*1
Pixel Size	25μm*500μm	25μm*500μm
Cooling Temperature °C	-20	-80

* Customization available for other ranges

Applications:

The ST50S spectrometer is a research-grade Raman spectroscopy detection system that is ideal for use in a range of applications. It features a high-throughput transmission fiber that delivers high-quality spectra with excellent resolution. The spectrometer is suitable for use in a range of applications, including 1064nm Confocal Raman microscopy, Integration of industrial Raman system, Chemical Industry Online, and Biopharmaceuticals.
The ST50S spectrometer is an excellent choice for researchers and industrial users who require a reliable and accurate instrument for their work. It features optical resolutions from 0.2-2nm and is capable of measuring a wide range of samples. The width of the incident slit is 6 Cm-1 (25 μm) and 8 Cm-1 (50 μm), making it suitable for use in a range of applications.

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



Support and Services:

The High-Throughput Transmission Fiber Spectrometer (HTTFS) is a state-of-the-art instrument that offers high-speed and accurate measurements for a wide range of applications. Our product technical support and services include:
- Installation and setup guidance to ensure optimal performance of the instrument
- Training sessions for users to understand the features and functionality of the HTTFS
- Technical assistance and troubleshooting to address any issues or concerns
- Calibration and maintenance services to ensure the accuracy and reliability of measurements

Our team of experts is dedicated to providing exceptional service and support for the HTTFS. Contact us for more information or assistance.

Packing and Shipping:

Product Packaging: The High-Throughput Transmission Fiber Spectrometer will be securely packaged in a sturdy cardboard box to ensure safe delivery. The instrument will be wrapped with protective materials to prevent any damage during shipping. Shipping: The product will be shipped via a reputable courier service to ensure timely and secure delivery. Shipping costs will be calculated based on the destination and weight of the package. Customers will receive a tracking number to monitor the progress of their delivery.

FAQ:

Q: What is the brand name of this product?
A: The brand name is JINSP.
Q: What is the model number of this product?
A: The model number is ST50S.
Q: What is the minimum order quantity for this product?
A: The minimum order quantity is 1.
Q: What is the price of this product?
A: The price is negotiable.
Q: What are the payment terms for this product?
A: The payment terms are T/T and Western Union.
Q: What is the supply ability for this product?
A: The supply ability is 100 pcs/70-90 days.
Q: What is the delivery time for this product?
A: The delivery time is 40-70 working days.
Q: What are the packaging details for this product?
A: The packaging details are customized packaging.

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