High Efficiency 2048 Pixels OCT Spectrometer With FC/APC Fibre Optic Interface

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE
- Model Number: ST830E
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Carton Packing
- Delivery Time: 80-90 WORKING DAYS
- Payment Terms: T/T, Western Union
- Supply Ability: 10PCS/MONTH

Product Specification

- Effective Pixels: 2048
- VPH Gratings: High-efficiency With Near-diffraction-limited Optical Resolution
- Wavelength Range: Customized In The Range Of 790-930nm
- Optical Design: VPH Raster & Wave Ridge Linear Design
- Cell Size: 10*200um
- Detector: Line Array CMOS
- USB3.0 Interface: Can Realize 20-130kHz Scanning Rate, OEM Is More Efficient And Simple
- Highlight: **High Efficiency OCT Spectrometer**, **2048 Pixels OCT Spectrometer**, **2048 Pixels Fiber Spectrometer**

Product Description

OCT System with 20.52*0.2mm Photosensitive Area and FC/APC Fibre Optic Interface

Product Description:

The OCT spectrometer is designed with a USB3.0 interface, which enables it to achieve a scanning rate of 20-130kHz. This feature makes our OCT spectrometer an efficient and simple solution for capturing images of biological tissues. Additionally, the OCT spectrometer is available for OEM, which makes it even more efficient and cost-effective.
Our OCT spectrometer has an effective pixel count of 2048, which ensures that the images captured are of high resolution and quality. The photosensitive area of the OCT spectrometer is 20.52*0.2mm, which enables it to capture images of biological tissues with a high degree of accuracy and detail.
Overall, our OCT spectrometer is the perfect tool for capturing high-quality images of biological tissues. With its high SNR fall-off and efficient scanning rate, our OCT spectrometer ensures that you get the best results possible. Order your OCT spectrometer today and experience the benefits of this powerful tool for yourself.

Features:

Product Name: OCT Spectrometers
Maximum line sweep speed: 130kHz/250kHz
Optical resolution: 0.07nm
Optical design: VPH raster & wave ridge linear design
Incident optical interface: FC/APC fibre optic interface
USB3.0 interface: Can realize 20-130kHz scanning rate, OEM is more efficient and simple
High SNR fall-off of the OCT system

Technical Characteristics

Deep Imaging

Excellent roll-off performance enables imaging at deeper layers.

Wavenumber Linearity

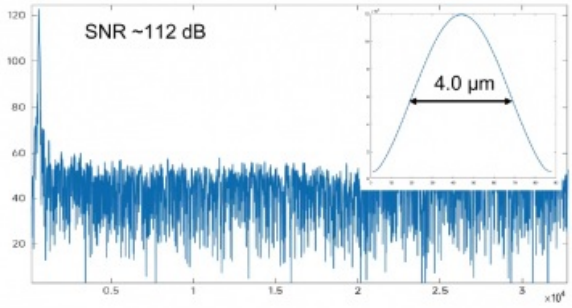
Special optical path design allows for equidistant wavenumber sampling on the hardware. Direct FFT (Fast Fourier Transform) is possible, significantly reducing data processing complexity.

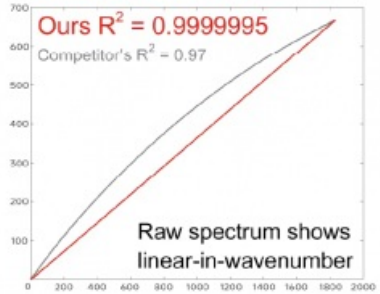
Fast Processing

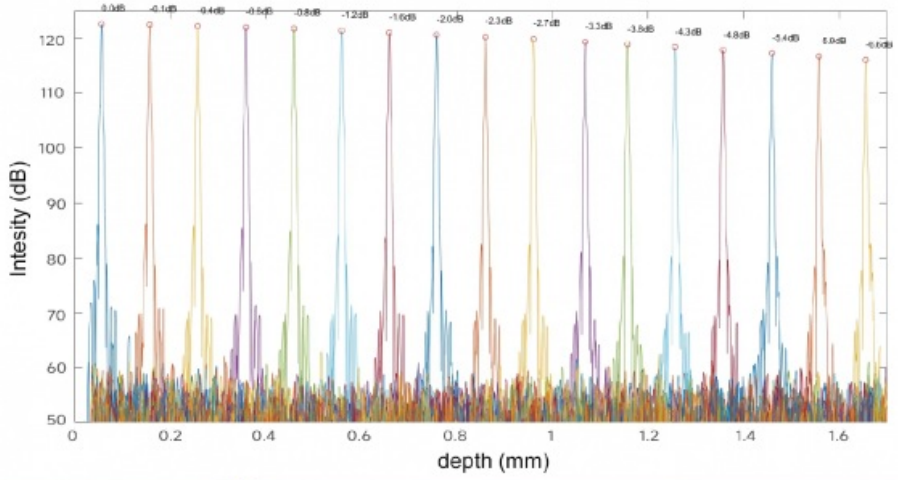
The USB3.0 interface allows for a scanning speed of 20-130kHz, making OEM processes more efficient and straightforward.

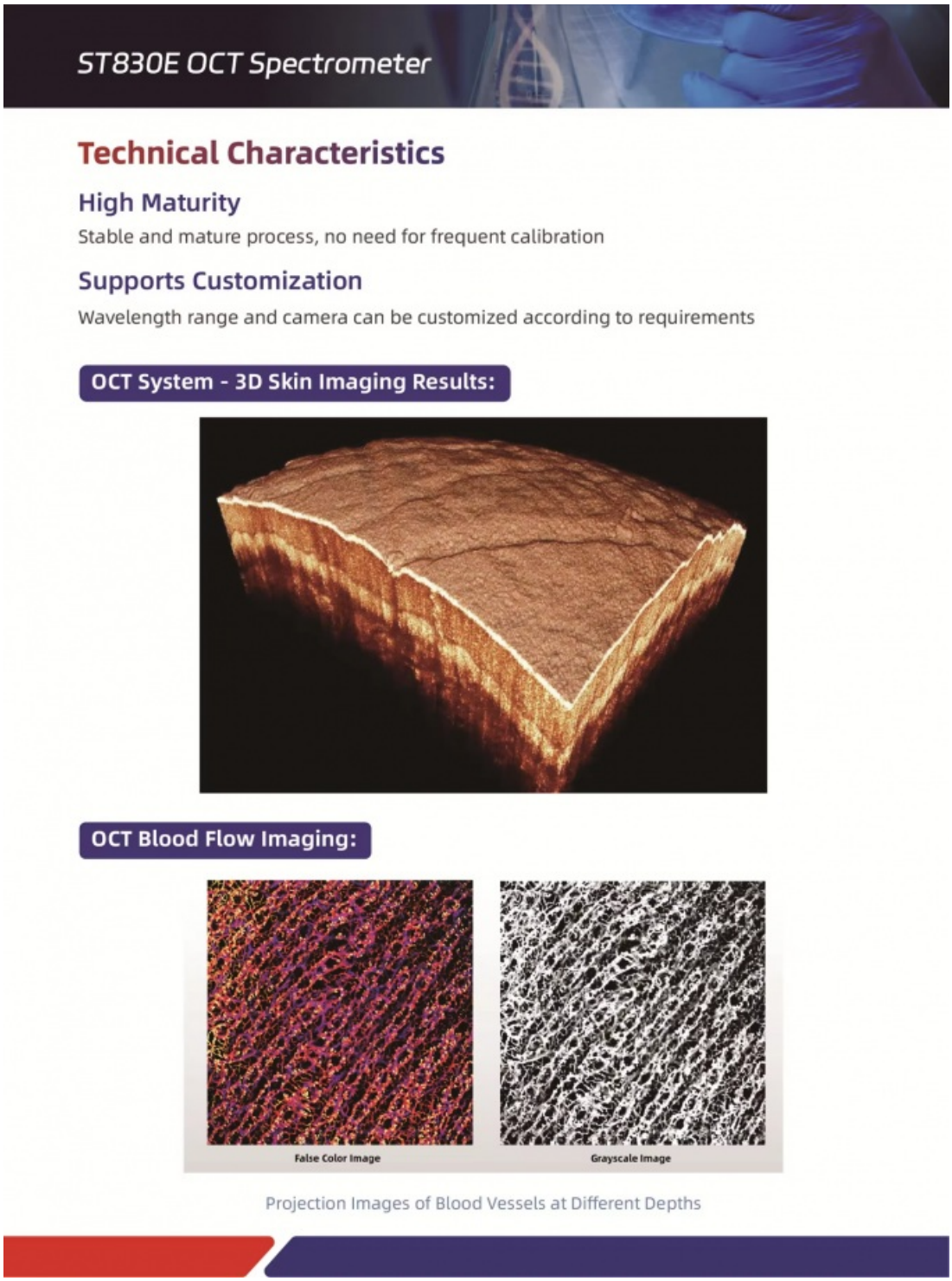
High Signal-to-Noise Ratio, High Resolution

Efficient VPH grating, optical resolution approaching the diffraction limit.









Technical Parameters:

Product Name:	High-speed and high-sensitivity OCT Spectrometers for Spectral Domain OCT System
Product Category:	OCT Spectrometers
VPH gratings:	High-efficiency with near-diffraction-limited optical resolution
Cell size:	10*200um
Optical resolution:	0.07nm
Interference spectrum processing:	Direct FFT without wavenumber resampling algorithm
Line scan rate:	Up to 250kHz
Optical design:	VPH raster & wave ridge linear design
Photosensitive area:	20.52*0.2mm

Applications:

The JINSP ST830E OCT Spectrometers product is equipped with a cell size of 10*200um, which allows for high-resolution imaging and precise measurements. The interference spectrum processing is performed using the Direct FFT without wavenumber resampling algorithm, which ensures accurate and reliable results.
One of the key features of the JINSP ST830E OCT Spectrometers product is the high-efficiency VPH gratings, which provide near-diffraction-limited optical resolution. This is combined with a special optical path design, which enables hardware to realize equal interval sampling of the wave number. These features help to ensure that the OCT system provides high-quality imaging and accurate measurements.

Support and Services:

Our OCT Spectrometers are designed and manufactured to meet the highest standards of performance and reliability. Our team of technical support experts is available to assist with any questions or issues that may arise during installation, setup, or operation of the product.
We offer a range of services to ensure that our customers get the most out of their OCT Spectrometers, including:
Training and education on product use and maintenance
Calibration and validation services to maintain accurate and consistent measurements
Repair and maintenance services to keep the product operating at peak performance
Upgrades and enhancements to improve product functionality and capabilities
Our commitment to customer satisfaction means that we are always available to provide technical support and services, so that our customers can focus on their research and analysis without any interruptions or setbacks.

Packing and Shipping:

Product Packaging:
1 OCT Spectrometer device
1 power cord
1 USB cable
1 user manual
1 carrying case
Shipping:
Shipping will be handled by our trusted courier partners
Delivery time may vary depending on your location
You will receive a tracking number once your order has been shipped
Any customs or import duties will be the responsibility of the customer

FAQ:

Frequently Asked Questions for JINSP ST830E OCT Spectrometers:
Q: Where is JINSP ST830E OCT spectrometer manufactured?
A: JINSP ST830E OCT spectrometer is manufactured in China.
Q: What is the minimum order quantity for JINSP ST830E OCT spectrometer?
A: The minimum order quantity for JINSP ST830E OCT spectrometer is 1.
Q: What are the payment terms for purchasing JINSP ST830E OCT spectrometer?
A: The payment terms for purchasing JINSP ST830E OCT spectrometer are T/T and Western Union.
Q: What is the delivery time for JINSP ST830E OCT spectrometer?
A: The delivery time for JINSP ST830E OCT spectrometer is 80-90 working days.
Q: What is the packaging detail for JINSP ST830E OCT spectrometer?
A: The packaging detail for JINSP ST830E OCT spectrometer is carton packing.
Q: What is the supply ability of JINSP ST830E OCT spectrometer?
A: The supply ability of JINSP ST830E OCT spectrometer is 10pcs/month.

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