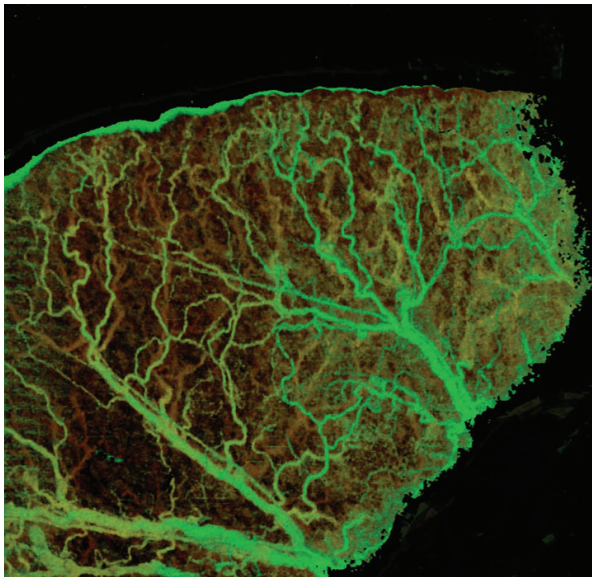




# Cobra 800 OCT Spectrometer Series

Catch a glimpse of life in high resolution



The high SNR of the Cobra 800 renders it capable of clearly imaging intricate vasculature in 3D for delicate tissues such as this mouse ear.

## MAXIMIZE RESOLUTION

Premier optical design with superior SNR & subpixel resolution for greater image clarity

> 15 unique models for the exact range, resolution, speed & depth you need

Near diffraction-limited optics minimize roll-off

Proprietary VPH gratings for low polarization dependence & highest efficiency

High resolution 4096 pixel models for deeper imaging and curved samples

OEM ready: robust, compact & athermal

**We've fit a suprising amount of resolution, performance, and value into one small box.**

As a spectroscopy company, we understand the nuances of optical design needed to optimize sensitivity and SNR in a small footprint without compromising manufacturability. The result? A high performance yet cost-effective OCT spectrometer with high resolution and multiple options for imaging depth, speed, and resolution. Whether scientist or engineer, we'll help you tackle the most challenging samples and applications with greater clarity.

RETINAL IMAGING | CELLULAR IMAGING  
HIGH-RESOLUTION MATERIAL INSPECTION



# Experience the industry-leading OCT spectrometer.

Researchers and OEMs alike count on Wasatch Photonics' high throughput Cobra spectrometers to deliver high speed and excellent image quality. From ultra-high resolution to deep imaging to multiple imaging cameras, we have the solution you need in a remarkably small footprint.

*Imaging depths for our standard models can be found in the table below. Please contact us to discuss your custom OEM requirements. Note: Cobra 800 part numbers are of the format C800-[CWL]/[BW]-[kHz]-[camera] [pixels], where the camera is represented by a 2-letter code, and 2K and 4K denote 2048 pixels and 4096 pixels, respectively.*

WAVELENGTH RANGE	BANDWIDTH	CAMERA OPTIONS					
		40 kHz		70 kHz		80 kHz	
		2048	4096	2048	4096	2048	4096
800-880 nm	80 nm	4.5 mm	9.0 mm	4.5 mm	o	4.5 mm	o
783-897 nm	114 nm	o	o	3.1 mm	6.3 mm	3.1 mm	6.3 mm
780-920 nm	140 nm	o	o	2.5 mm	o	2.5 mm	o
750-930 nm	180 nm	o	o	2.0 mm	o	2.0 mm	o
650-950 nm	300 nm	o	2.0 mm	1.0 mm	2.0 mm	1.0 mm	2.0 mm
<b>CAMERA</b>		Awaiba Dragster (AD)		Basler Sprint (BS)		Dalsa Pirhana (DP)	

INCREASING AXIAL RESOLUTION

o Available on a custom basis



The high resolution of the Cobra 800 enables high clarity nondestructive imaging of sharp features like a contact lens edge.

## OEM CUSTOMIZATION

At Wasatch Photonics, we go beyond custom to create unique, bespoke spectrometers for our OEMs. We'll share our deep understanding of spectrometer and OCT system design, working with you as a collaborator to create products to differentiate you in your marketplace. From custom cameras, gratings, and athermal lens sets to drop-in replacements for legacy designs, we can develop a solution optimized for your imaging needs.

Contact us for greater clarity

