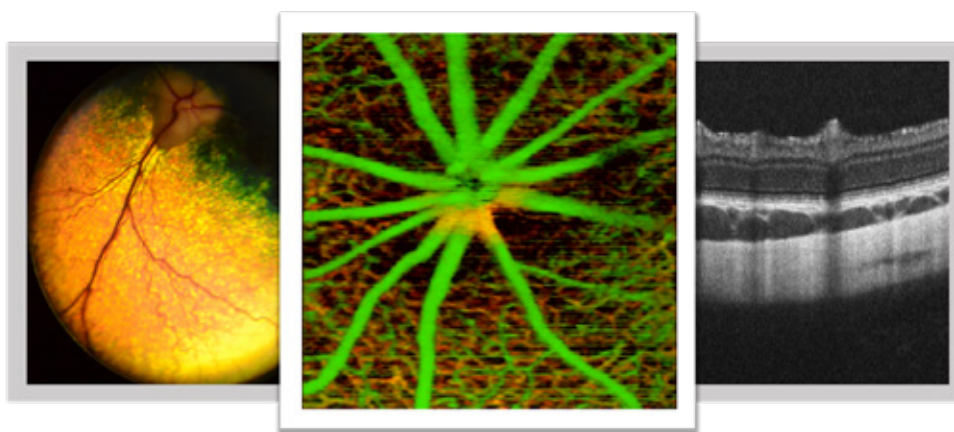


# OCT EMPOWERED

More choices. More clarity. Faster measurements.

In OCT, image quality is everything. That's why our innovative line of OCT spectrometers, probes, and software are optimized for performance and ease of use – to get you clearer images, faster. We've put hundreds of hours of design, system-level testing & imaging into our products – time you can put towards your research or OEM product design. As the leading supplier of OCT gratings and pioneers in spectrometer design, we bring you the latest innovations in SD-OCT **first**, from ultra-high speed cameras and USB 3.0 connectivity to long-range imaging at 800 nm and Vis-OCT.



## SIMPLIFY YOUR SYSTEM DESIGN

- Accelerated system design & launch
- Easily customized to unique applications
- Drop-in components optimized for OCT yield higher performance systems
- Guaranteed component compatibility, performance, and quality
- Transition quickly from feasibility testing to volume OEM manufacture
- Intuitive control software & drivers with advanced parallel image processing

## COLLECT BETTER IMAGES

- Superior SNR for greater, deeper image clarity
- Premier optical design with subpixel resolution
- >30 spectrometer models for the exact range, resolution, speed, depth, & cost you need
- Near-diffraction limited focusing across full spectrometer array to minimize camera roll-off
- Proprietary WP gratings for low polarization dependence & high diffraction efficiency
- Advanced spectrometers like the Cobra-S: 250 kHz scanning, <6 dB rolloff @ 2.5 mm

SPECTROMETERS | PROBES | OEM SOLUTIONS



## Versatile components, world-class OCT

Quickly design & build the ideal OCT system for your research or OEM application using our high performance spectrometers, probes & software. We offer multiple bandwidth, depth & speed options at each wavelength, and have the OCT application expertise to advise on your unique application.



### CONFIGURABLE OCT SPECTROMETERS

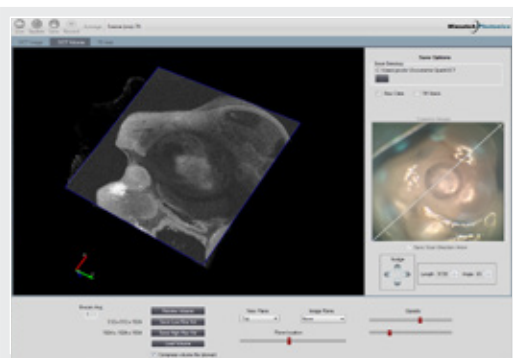
- ▶ **NEW** Cobra VIS series: 550 nm OCT for blood oxygenation
- ▶ Cobra-S 800 series: Ultrafast 250 kHz imaging for angiography, vibrometry & live 3D imaging. **NEW** Long-range model, USB 3.0
- ▶ Cobra 800 series: Maximum resolution for retinal & cellular imaging and high-resolution material inspection
- ▶ Cobra 1050 series: Ideal for deep retinal imaging
- ▶ Cobra 1300 series: Greater imaging depth for dermatology, anterior segment imaging, and sub-surface material inspection



### FLEXIBLE, COMPACT SAMPLE ARM PROBES

Our innovative optical design & robust scan electronics deliver aberration-free imaging at 800, 1050, or 1300 nm for best resolution and SNR. Integrated color camera & robust electronics.

- ▶ MEMS probes: Ultracompact, handheld to mounted in seconds
- ▶ Galvo probes: Precise & high speed for challenging applications
- ▶ Animal retina probes: 40° field of view, point & scan operation



### POWERFUL & FLEXIBLE SOFTWARE

Acquire, process, and visualize OCT data in 2D or 3D using our advanced software and image processing libraries. We offer full access to all acquired data, parallel processing, and direct control & syncing of components to speed system development. Use our plug-ins for filtering, stack averaging, and scan pattern, or design your own. Select your scan location from the live camera feed, record multiple scans, and read back for revisualization.

### OEM & CUSTOM SYSTEM DEVELOPMENT

We often work with OEMs to adapt our configurable designs to new cameras, unique footprints, and custom sample types. Focusing on the application and your product development goals, we embrace a flexible engagement model to deliver solutions spanning hardware & software needs. Let us speed your system design, build, and ramp to volume with our optimized, off-the-shelf components and expertise in OCT applications.

