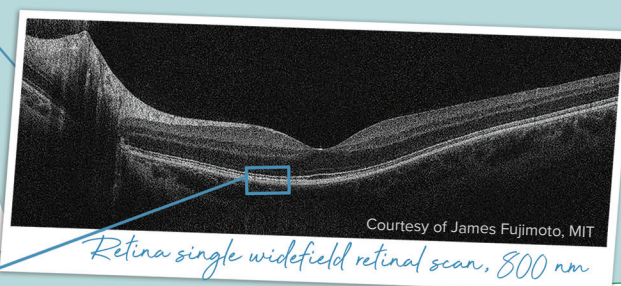
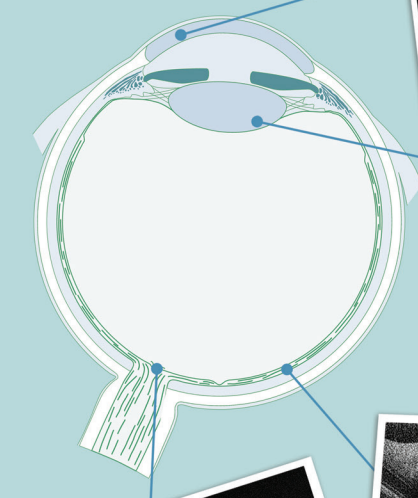
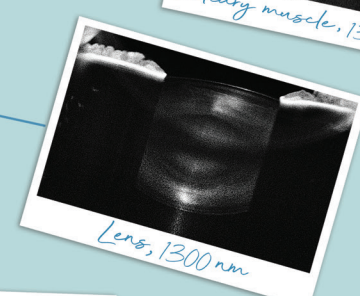
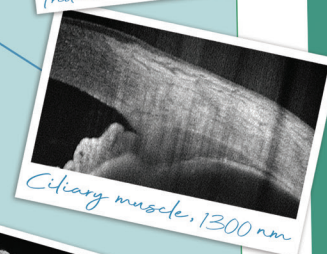
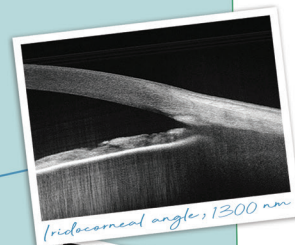
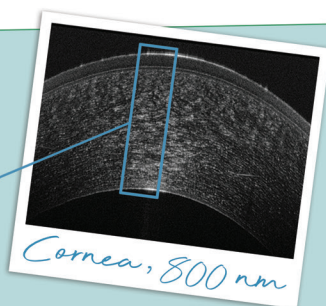
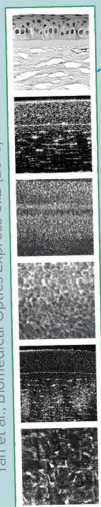


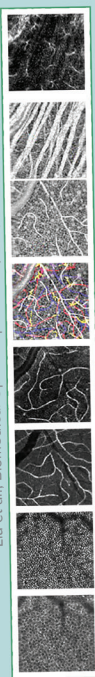
EXPEDITION INTO THE EYE

The eye is a delicate yet intricate structure, making it challenging territory to explore. From tear film to photoreceptors, we'll show you the resolution, detail, and speed now possible with the latest in SD-OCT technology, including in-vivo imaging of 3D volumes at the cellular level. UHR-OCT imaging of corneal structure at ultrafast speeds to avoid motion artefacts gives promise for clinical use, while AO-OCT reveals key physiological and structural properties of the retina to advance research into novel therapies.

Tan et al., Biomedical Optics Express 9:12 (2018): 6569-6583.



Liu et al., Biomedical Optics Express 9:9 (2018): 4246-4262.



OCT's ability to quickly capture clear, detailed images of the eye from cornea to retina allows us to diagnose, understand, and treat the eye at a whole new level – and its capabilities are increasing daily. Wasatch Photonics is an innovator in this field, supporting leaders in research and industry with high performance gratings, spectrometers, OEM modules, and systems for OCT.

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Enabling OCT with Innovative Solutions

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.



CUSTOMIZABLE OCT SPECTROMETERS

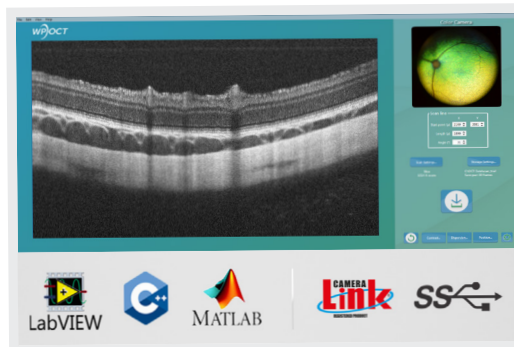
- Cobra VIS series: 550 nm OCT for blood oxygenation
- Cobra-S 800 series: Ultrafast 250 kHz imaging for angiography, vibrometry & real-time 3D imaging. Long-range model, USB 3.0.
- Cobra 800 series: Maximum resolution for retinal & cellular imaging and high-resolution material inspection
- Cobra 1050 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

Our OCT software solutions answer the needs of researchers and OEMs alike. Acquire images quickly and easily using our turnkey WP OCT application software for visualization and acquisition. Need a custom solution? Our software libraries allow you to begin acquiring images in just 30 minutes, accelerating development time with guaranteed results. This trio of SDKs simplify image acquisition, optimize system control, and deliver powerful parallel data processing for cameras at up to 250 kHz line rates.

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.