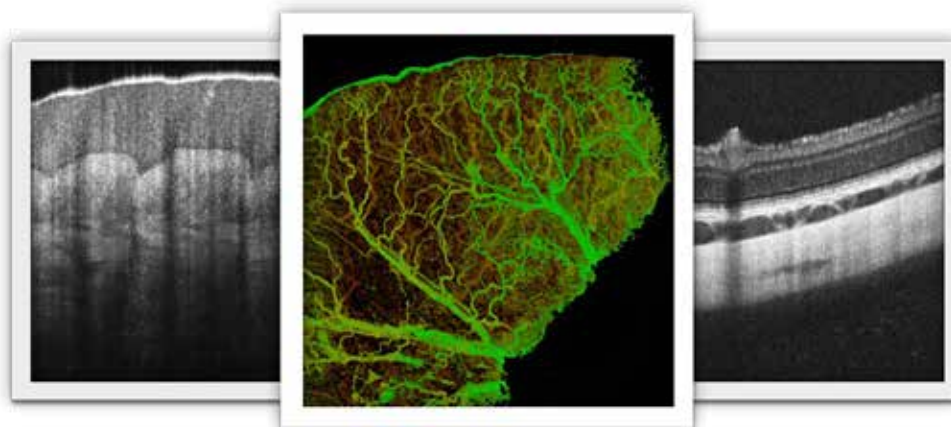


OCT SYSTEMS

Turnkey imaging – deeper, clearer, faster

Unlock the answers you've been looking for faster with our fully optimized, turnkey OCT imaging systems. Designed around our best-in-class Cobra-series OCT spectrometers, these systems provide high-resolution imaging to greater depths than any others on the market. We've carefully refined every aspect of our system design, from scanning synchronization and sample arm control to our new WP OCT application software. Leverage our experience to accelerate your research, or contact us to see how we can facilitate your product development as an OCT system provider.



WP ADVANTAGES

- Superior imaging quality & depth
- Excellent axial resolution: 3.0 - 7.0 μm
- Video-rate acquisition: 100 images/sec
- High resolution 800 nm models
- Imaging depths to 5.0 mm @ 1300 nm
- Fully optimized & integrated for maximum efficiency and low roll-off
- Custom system-ready modules for OEMs

APPLICATIONS

- Retinal imaging & vasculature
- Anterior segment imaging
- Angiography & vibrometry
- Dermatology & cellular imaging
- Real-time 3D imaging of structure
- High resolution material inspection & dimensional analysis
- OCT-guided surgery or welding



Powerful imaging with maximum clarity & speed

Wasatch Photonics OCT systems offer non-contact imaging of surface morphology and subsurface structure at micron-level resolution for accurate, quantitative analysis of structure in tissues or materials. Capture 3D images in under a minute or rapid cross-sections at video rates for real-time feedback during surgery or material processing. Contact us to discuss customization of parameters like speed, resolution, and imaging range to meet your needs!

	WP OCT 800 nm (Highest Resolution)		WP OCT 1300 nm (Greatest Depth)
	OPTION 1	OPTION 2	STANDARD
Imaging Depth	3.0 mm	1.8 mm	5.0 mm
Axial Resolution	6.0 μm	3.0 μm	7.0 μm
Wavelength Range	780-900 nm	750-930 nm	1235-1385 nm
FWHM Bandwidth	>120 nm	>150 nm	>90 nm
Axial Scan Rate	Up to 250 kHz available		
Image Capture Rate	>20 Hz, >50 Hz, >200 Hz options available		
Image Size	1024 x 1024 x 1024 points, .tif output		
Transverse Resolution	6.0 μm	6.0 μm	10.0 μm
Transverse Imaging Area	>5 x 5 mm	>5 x 5 mm	>5 x 5 mm
Working Distance	25 mm	25 mm	25 mm
Color Camera Image	10 Mega Pixel RGB (640 x 480 real time mode)		
System/Computer Interface	Camera Link and SMB connections		
System/Scanner Interface	FC/APC fiber, 10-pin electrical connector, USB Cable		
Computer Provided	64-bit Windows 7 or higher. 16 GB RAM, Intel Processor, AMD graphics graphics card		
Display Provided	22 inch HD 1080p monitor		
Software Included	WP OCT image acquisition interface; SDKs available upon request		



Acquire multiple OCT sections in a single shot, as seen in this wide field surface mapping image of a coin with the WP OCT 840 nm system (option 1).

