

Xephilio OCT-A1

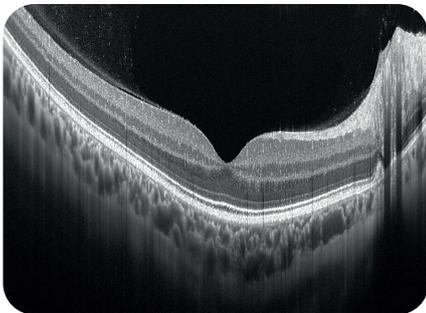
Optical Coherence Tomography System



Shown with optional External Fixation Light, sold separately.

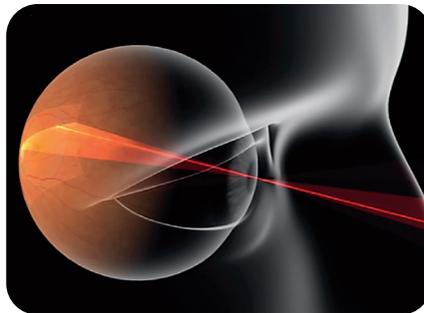
Outstanding Imaging With Automated Operation

Thanks to Canon's optical expertise, the Xephilio OCT-A1 Optical Coherence Tomography device, together with the required RX Capture software, computer, and LCD monitor (collectively, the "Xephilio OCT-A1 System"), offers superb image quality. With an Axial digital resolution of 1.6 μm and a high scanning speed of 70,000 A-scans per second, the System enables excellent differentiation of structures and individual layers of the retina and can help with patient comfort.



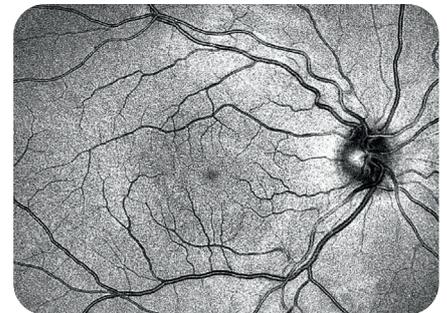
High Definition Imaging

The Xephilio OCT-A1 System, which offers 1.6 μm Axial digital resolution in combination with the ability to average multiple scans, can help provide excellent image quality with detailed resolution.



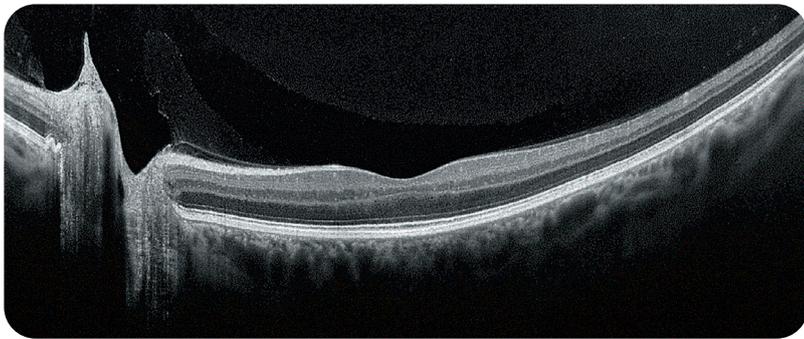
Accurate Scanning, Outstanding Ease of Use

The System's integrated Scanning Laser Ophthalmoscope (SLO) contributes significantly to scan quality and ease of use. By providing real-time retinal tracking, it makes monitoring of the examination easy.



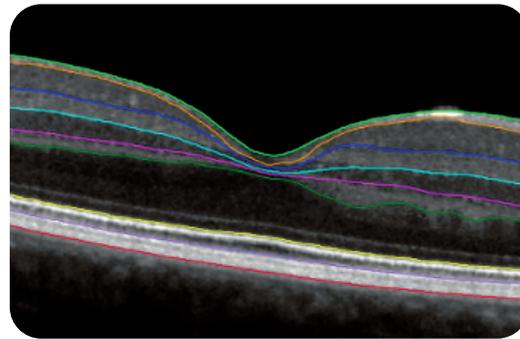
Fast and Precise Follow-Up

The SLO also assists with follow-up examinations by automatically adjusting to the same scan position as used in the previous exam. To ease comparison, the software automatically selects identical scan parameters.



High Definition, Enhanced Depth, Wide Field of View

With the Xephilio OCT-A1 System, you can average up to 50 cross scans* to achieve an image resolution that allows impressive detail of both the layer and the vitreous pleated structures. For optimal imaging, the System offers special scan modes for vitreous and choroid imaging in addition to a wide scan width of up to 13 mm.



Reliable 10-Layer Recognition

The Xephilio OCT-A1 System can automatically detect and distinguish 10 layers of the retina—including Bruch's membrane (BM)—thanks to its excellent image quality and resolution.

Specifications (Subject to Change)

General	OCT Scan Parameters	Software: Canon RX Capture Software
Scan Rate: 70,000 A-scan per second	Retina Scan Mode Vitreous and Choroidal Modes Available C-gate Direction: Normal/Inverse Imaging Position (fixation light position) Macular/Disc/Posterior	Computer
Axial Resolution Digital/Optical: 1.6/3.4 µm		CPU: Intel Core i7 (3.3GHz or more, 6 core or more)
Transversal Resolution: 20 µm	Macula 3D: 1024 A-scan (H) x 128 B-scan Scanning Area: 10 mm x 10 mm	GPU Using 3D: NVIDIA Video Card (Quadro 4000 or better) memory 1GB or larger Using 3D: Full HD, 24/32-bit color compatible GPU
Wave Length: 855 nm**	Glaucoma 3D: 1024 A-scan (V) x 128 B-scan Scanning Area: 10 mm x 10 mm	Memory: Basic 6GB or larger HDD
Minimal Pupil Diameter: 3.0 mm	Disc 3D: 512 A-scan (H) x 256 B-scan Scanning Area: 6 mm x 6 mm	HDD Local: 2TB or larger (RAID-1 mirroring) Remote: 100GB or larger
Working Distance: 35 mm	Custom 3D: 1024 A-scan (H/V) x 128 B-scan Scanning Area: 3 mm to 10 mm (adjustable range)	USB Port: 4 port or more
Fundus Imaging Method Scanning Laser Ophthalmoscope (SLO) SLO Size (H x V): 13 mm x 10 mm OCT Width: 3-13 mm OCT Depth: 2.0 mm	Multi Cross: Horizontal: 1024 A-scan (H) x 5 B-scan Vertical: 1024 A-scan (V) x 5 B-scan	LAN: 1000Base-T or more
Internal Fixation Light: 1 mm x 1 mm or 6 mm x 6 mm	Scanning Area: Horizontal: 3 to 13 (adjustable range) Vertical: 3 to 10 (adjustable range) Number of Averaging: 1 (no averaging), 5, 10	OS: Windows 10 Pro (x64, Version 1607-) English/Japanese
External Fixation Light: EL-1 (optional, sold separately)	Cross: Horizontal: 1024 A-scan (H) x 1 B-scan Vertical: 1024 A-scan (V) x 1 B-scan	Monitor
Dimension and Weight OCT-A1 Device (without EL-1) Dimension (W x D x H): 387 mm x 499 mm x 474 mm Weight: 64 lb/2 kg	Scanning Area: Horizontal: 3 to 13 (adjustable range) Vertical: 3 to 10 (adjustable range) Number of Averaging: 1 (no averaging), 5, 10, 20, 50	Display: Size: 21.5" or larger 1920 x 1080 (24 or 32 bit color)
	Radial: 1024 A-scan x 12 B-scan Scanning Area: 3 to 10 mm (adjustable range) Number of Averaging: 1 (no averaging), 5, 10	

* 1 (no averaging), 5, 10, 20, or 50 scans.

** Output on cornea < 2.67 mW (scanning beam controlled by the laser safety system).

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