

Silverstone
SS OCT



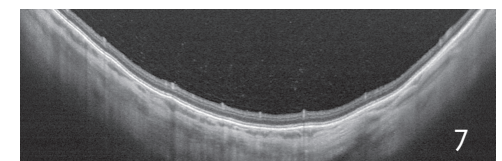
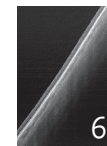
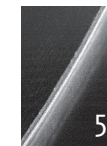
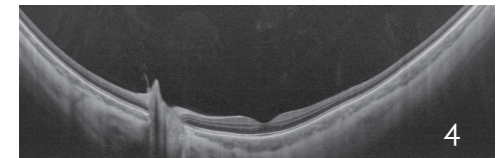
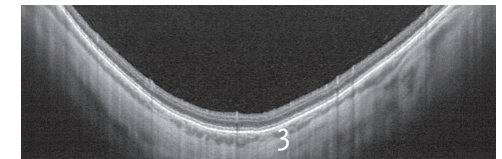
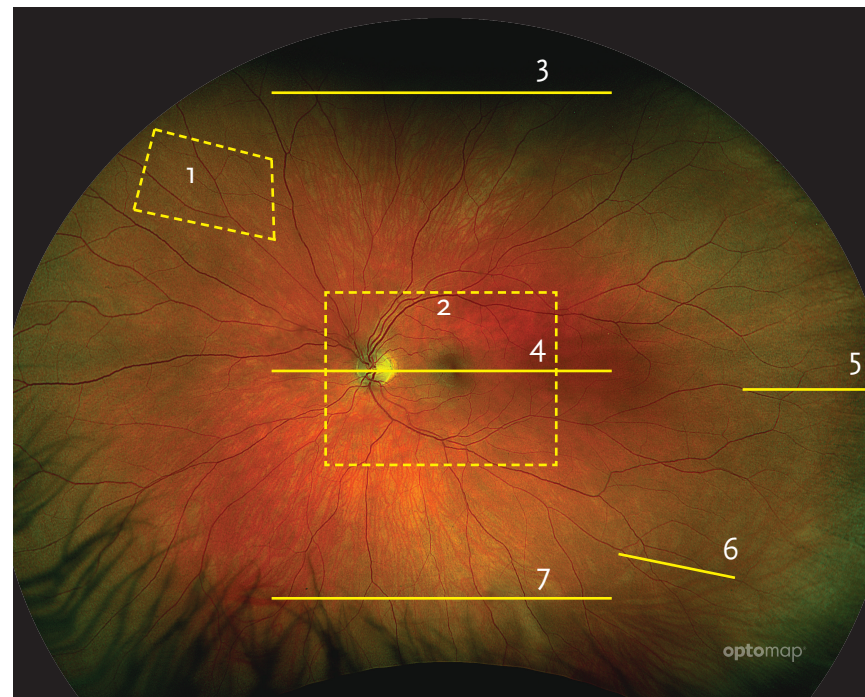
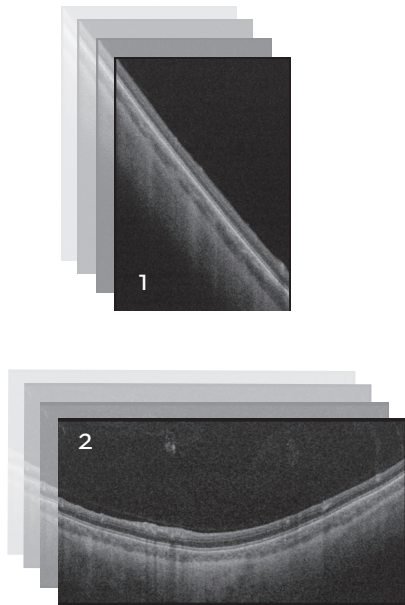
Optos Ultra-widefield Retinal Imaging with **optomap**-guided SS-OCT

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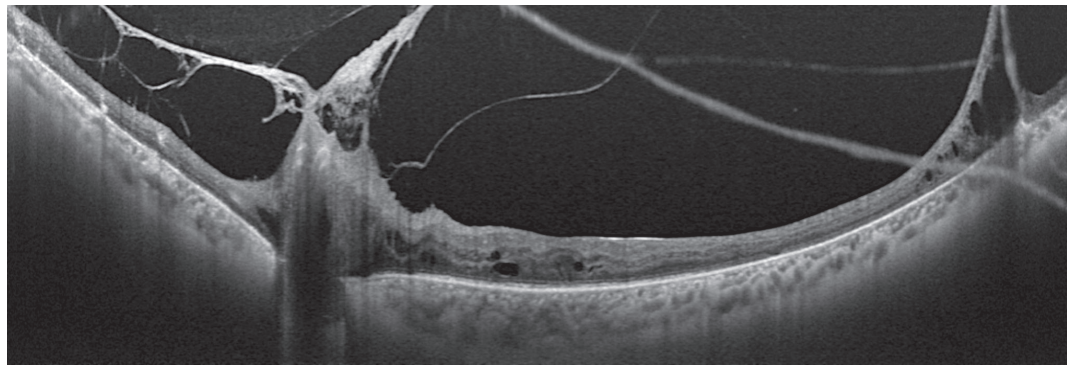
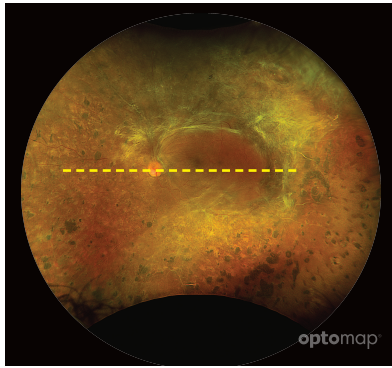
Silverstone is the most powerful tool yet for examining the retina. The only imaging device with **optomap**-guided OCT, it produces a 200° single-capture retinal image of unrivaled clarity in less than ½ second and, with just a touch, captures swept source OCT scans anywhere on the **optomap**®.

Routine **optomap** use enhances pathology detection, disease management, and clinic flow.^{1,2,3,4}

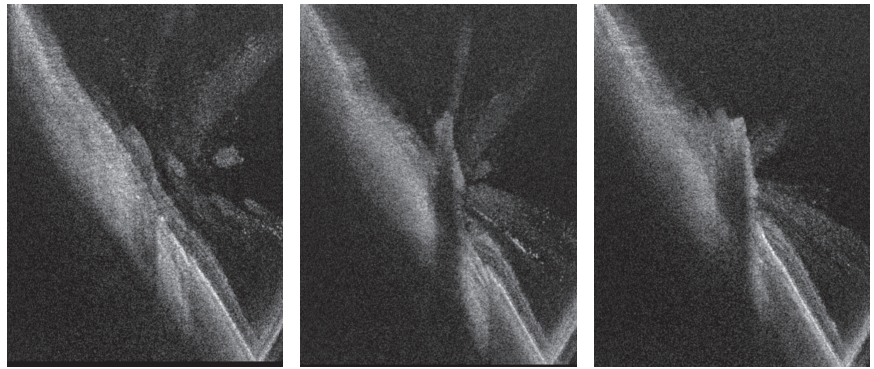
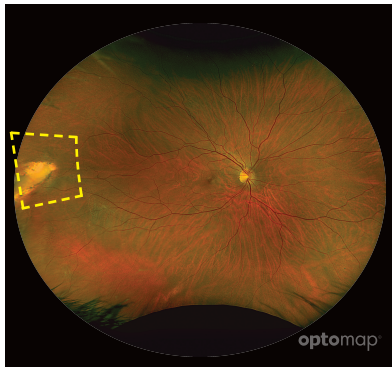
Now, with Silverstone, examination of the retina from vitreous through the choroidal-scleral interface is faster and easier than ever.



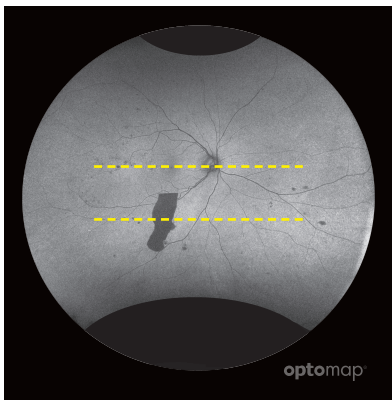
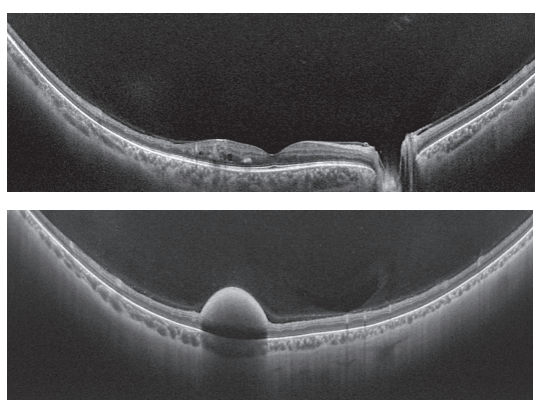
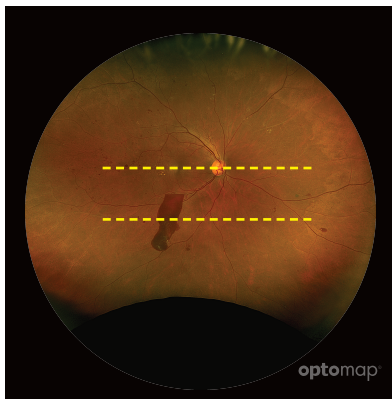
SS OCT line and volume scans captured with **optomap**-guided OCT



PDR and DME with tractional retinal detachment



PDR and DME with tractional retinal detachment



DME and PDR with vitreous hemorrhage

Unique Features

- Silverstone facilitates retinal examination and improves patient management^{2, 3}
- **optomap** enhances pathology detection^{1, 2, 3} and improves clinic flow and patient satisfaction⁴
- Automatic rescan function offers precise follow-up scanning
- Non-mydriatic cSLO images effectively through most cataracts and small pupils
- 1050 nm OCT light source provides deeper tissue penetration for clear, detailed choroidal imaging
- 3-in-1 Color Depth Imaging highlights structural data from retinal surface through choroid
- Optos **Advance** Image Management software streamlines image review and consultations
- Explorer view shows retinal surface and OCT scans in a single view
- DICOM compatible software supports compliance with the Code of Federal Regulations^{5, 6}



1. Lin et al, Retina, 2021. 2. Sodhi et al, International Ophthalmology, 2021. 3. Kovacs et al, Journal of VitreoRetinalDiseases, 2021. 4. Tornambe, US Ophthalmic Review 2017. 5. All Covered Entities must securely backup 'retrievable exact copies of ePHI' (CFR 164.308 (7) (ii) (A)). 6. All Data must be backed up off site. HiPAA final security rule (CFR 164.308(a) (7)).

Technical specifications

TRADE NAME	UWF-OCT or Silverstone
MODEL NAME	P200TxE
MODEL NUMBER	A10750
optomap UWF Imaging	
IMAGING MODALITIES	Color Sensory (red-free) Choroidal Autofluorescence (AF) Fluorescein (FA) Indocyanine Green (ICG)
RESOLUTION	optomap: 20 µm, optomap plus : 14 µm
LASER WAVELENGTHS	Blue Laser: 488 nm (for FA) Red laser: 635 nm Green laser: 532 nm (for AF) Infra-red: 802 nm (for ICG)
EXPOSURE TIME	Less than 0.4 seconds
OCT Imaging	
SIGNAL TYPE	Optical scattering from tissue
SIGNAL SOURCE	Swept Source OCT, Wavelength 1050 nm
OPTICAL POWER	Laser safety Class-1 following IEC/EN60825-1:2014
AXIAL RESOLUTION*	< 7 micron
TRANSVERSE RESOLUTION*	< 20 micron
SCANNERS	Galvanometric X, Y pair
SCAN DEPTH	Up to 2.5 mm
A-SCAN RATE	Up to 100k cycles/sec
SCAN TYPES	Line Scans Width: 6, 14, 23 mm Volume Scan Height: Min 3.5 mm; Max 9 mm Volume Scan Width: Min 6.0 mm; Max 14 mm
System	
FOOT PRINT	Width: 540 mm / 22 in Depth: 570 mm / 23 in including chin rest Height: 683 - 707 mm / 27 - 28 in
WEIGHT	Max 45 kg
TABLE SPACE REQUIREMENTS	Width: 887 mm / 35 in Depth: 600 mm / 24 in Height: 725 to 1205 mm / 29 - 48 in
COLORS	White with aqua trim
SYSTEM VOLTAGE	100-240V, 50/60Hz
POWER CONSUMPTION	289-350 VA

NOTE: Specifications are subject to change without notice.



Optos UK/Europe
+44 (0)1383 843350
ics@optos.com

Optos North America
800 854 3039
usinfo@optos.com

Optos DACH
DE: 0800 72 36 805
AT: 0800 24 48 86
CH: 0800 55 87 39
ics@optos.com

Optos Australia
+61 8 8444 6500
auinfo@optos.com

Contact us:

