



PRIMUS 200 from ZEISS
The essential OCT



Seeing beyond the surface.

ZEISS PRIMUS 200



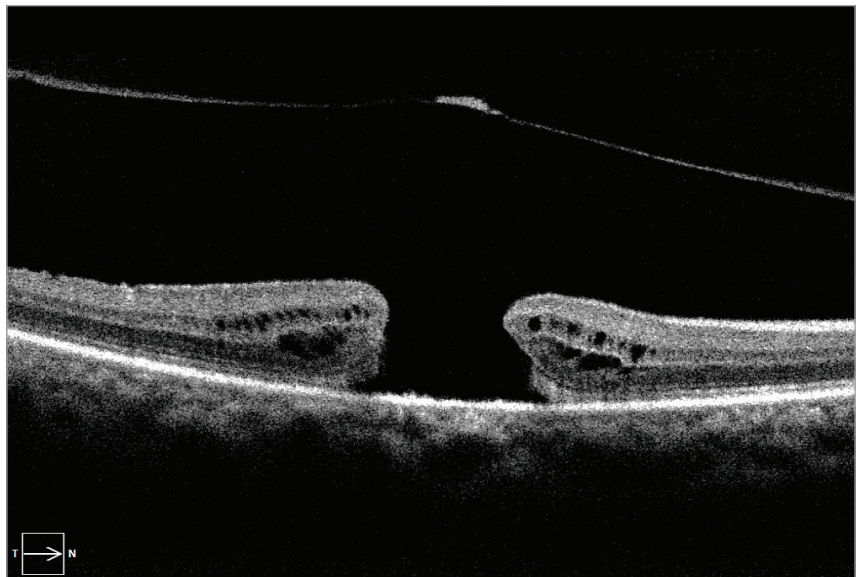
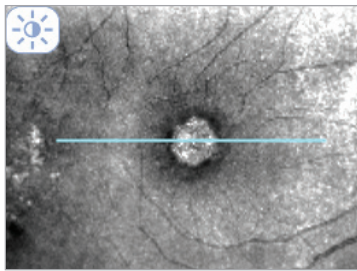
// INNOVATION
MADE BY ZEISS

Clear Visualization. Advanced Technology. Reliability.

Essential elements of your first OCT.

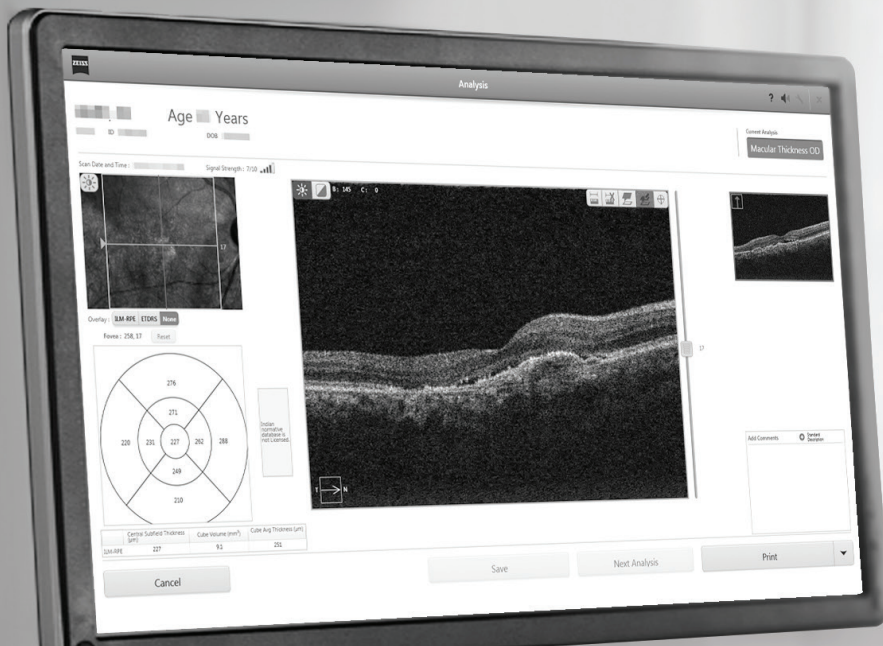
Reveal the hidden structures in the retina with the new PRIMUS™ 200 from ZEISS, the pioneer in ophthalmic OCT. Ideal for small practices, PRIMUS 200 delivers the essential clinical applications to help you manage your patients with certainty. ZEISS PRIMUS 200 is the technology engine with the power and performance you need to deliver the optimal level of clinical care and to grow your practice.

Seeing beyond the surface



Today, optical coherence tomography (OCT) has become as essential to clinical eye care as perimetry or fundus photography. OCT gives clinical insight to better understand your patient's condition and the power to manage a broader range of pathologies within your practice.

By incorporating legendary ZEISS optics and proprietary algorithms, in a compact and intuitive design, the ZEISS PRIMUS 200 is both a diagnostic and a patient education tool as it helps you to effectively communicate the essential aspects of a comprehensive treatment plan.



Clearer images for deeper insight

ZEISS PRIMUS 200 inherits the fundamental quality of world-class ZEISS optics, providing you with clear and compelling OCT and fundus images to help you detect pathologies at the earliest possible moment.

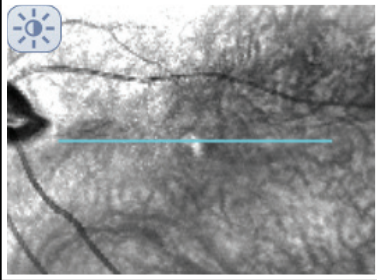
High definition B-scans

With high SNR (Signal-to-Noise Ratio) and extended integration time, PRIMUS 200 reveals micro-structural details that are critical to effectively manage a broad range of diseases.

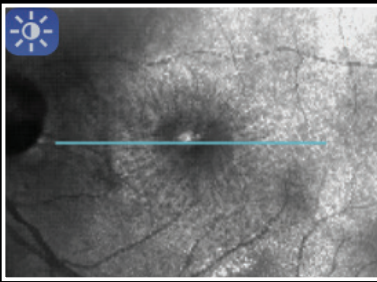
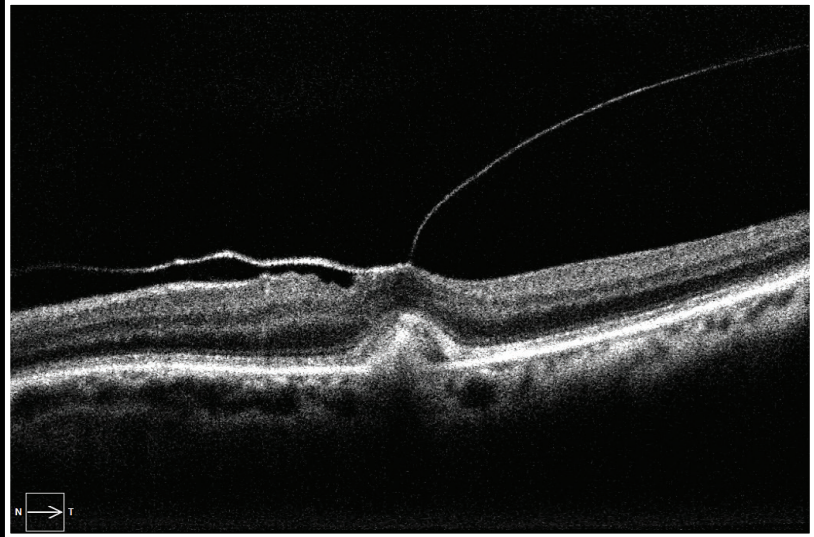
Selective Pixel Profiling™ ensures brilliant, high-definition imaging across the B-Scan for accurate diagnostic insights and assured treatment decision making.

Clear fundus images

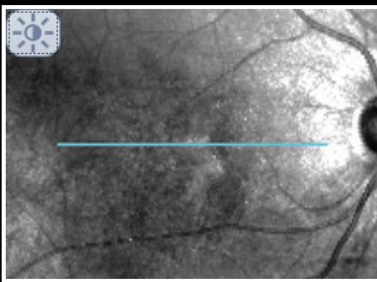
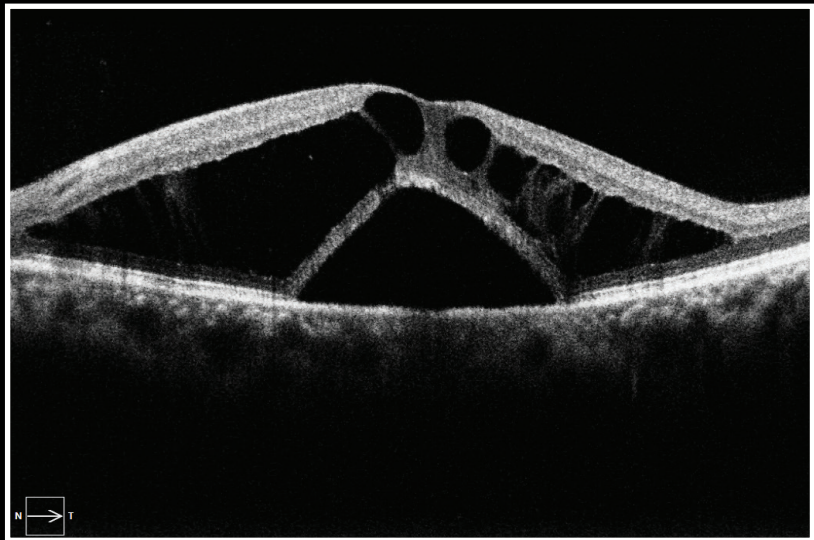
Confocal Scanning Laser Ophthalmoscopy (cSLO) technology is used to display high-quality fundus images. Clear, sharp fundus images are essential to accurately correlate the B-scans and corresponding fundus image.



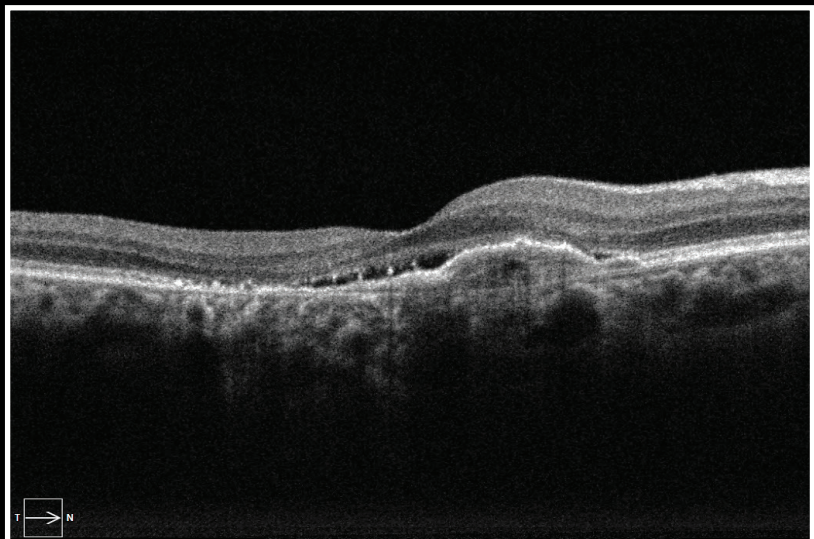
Vitreomacular traction syndrome (VMT)



Central retinal vein occlusion (CRVO) with cystoid macula edema (CME) and subfoveal fluid



Age-related macular degeneration (AMD)





Ease of use through an intuitive design



With its simple and sleek, yet sturdy design, ZEISS PRIMUS 200 offers you a clear view of the patient during scan acquisition.



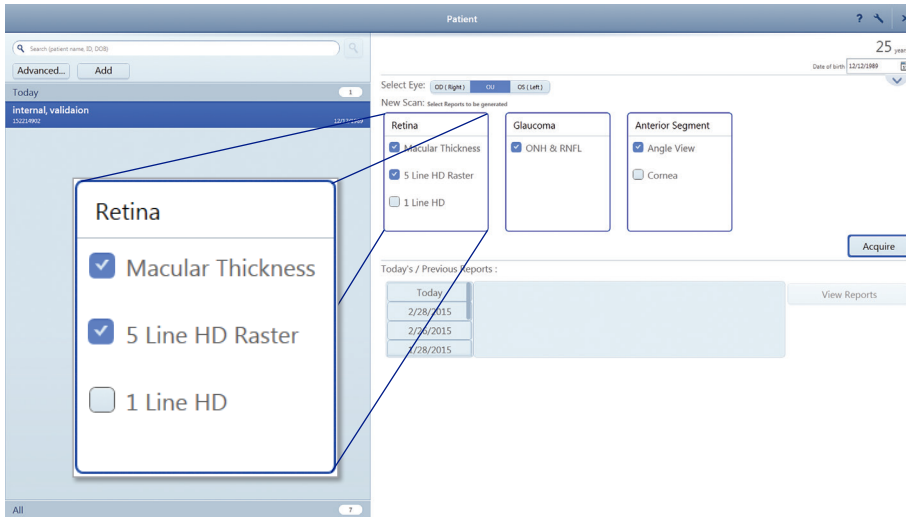
Familiar slit-lamp-style joystick allows you to align and capture images with ease.



reddot design award
winner 2015

Simplicity through smart workflow

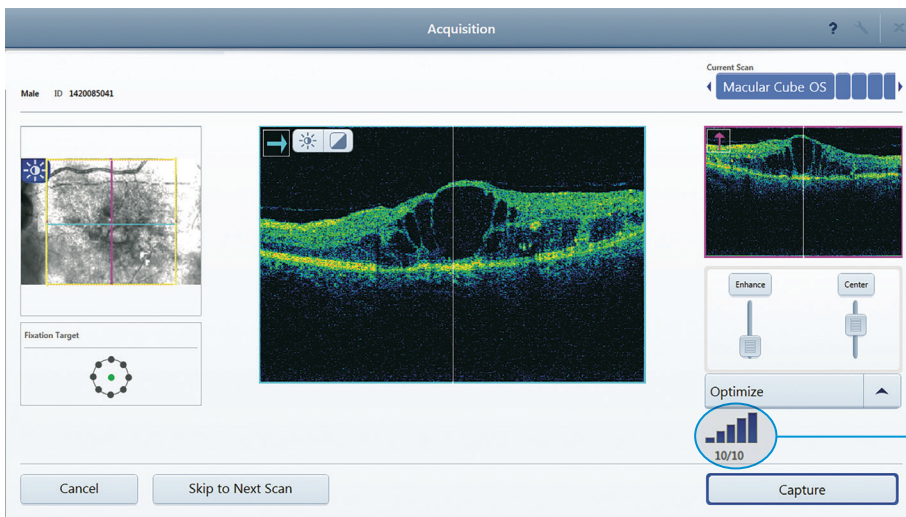
ZEISS PRIMUS 200 utilizes a simple 3-step process for capturing all anterior and posterior segment scans. This optimized workflow helps to increase operator efficiency while minimizing patient chair time.



1. Select

Report-driven workflow

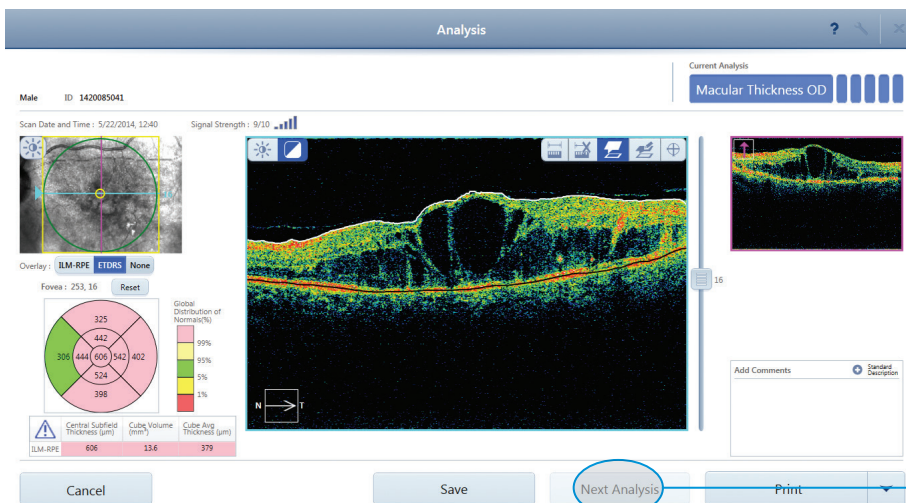
Enables selection of desired reports and automatically sequences the required scan-protocols for acquisition.



2. Capture

System-guided navigation

Easy acquisition protocols prompt and lead you through all selected scans.



3. Review

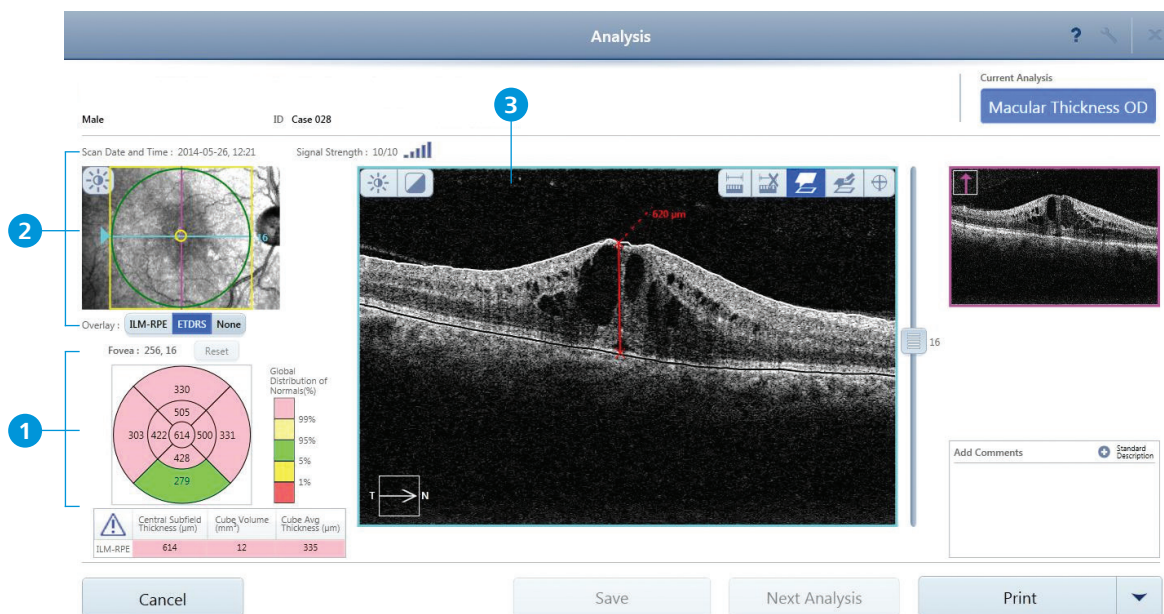
Pre-selected reports

Analyses are automatically prepared for you to scan and select with the click of a button.

// RETINA ASSESSMENT

Visualize. Assess. Act.

With clear visualization of cross-sectional retinal layers and ZEISS-proven algorithms, ZEISS PRIMUS 200 enables you to make qualitative and quantitative assessments of your patient's retinal condition. Visualize the retina with high definition 1 and 5 Line HD B-scans and measure macular abnormalities using Macular Thickness Analysis. Determine your next steps with confidence.

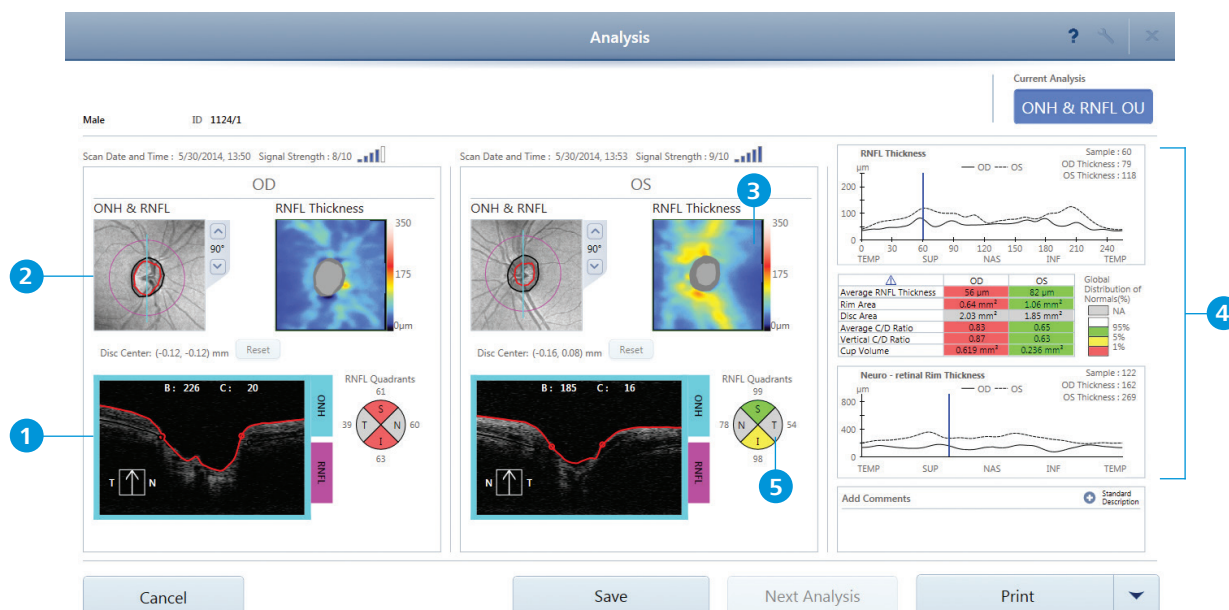


- 1 ETDRS measurement grid with normative data colors uses the **Auto FoveaFinder™** to automatically and accurately locate the fovea, providing precise macular thickness values for each visit.
- 2 Clear fundus image with options to overlay ILM-RPE thickness map or move the ETDRS to desired foveal location.
- 3 Large B-scan display in color or greyscale helps both with visualizing pathologies quickly and with improving patient communication.
- 4 Enter or choose from predefined comments for patient report.

// GLAUCOMA MANAGEMENT

Identify. Monitor. Manage.

Identify and monitor at-risk patients for glaucoma with the comprehensive optic nerve and retinal nerve fiber layer (ONH and RNFL) reports. Easy-to-understand graphics can serve as teaching tools for patients and can help improve compliance for better disease management.

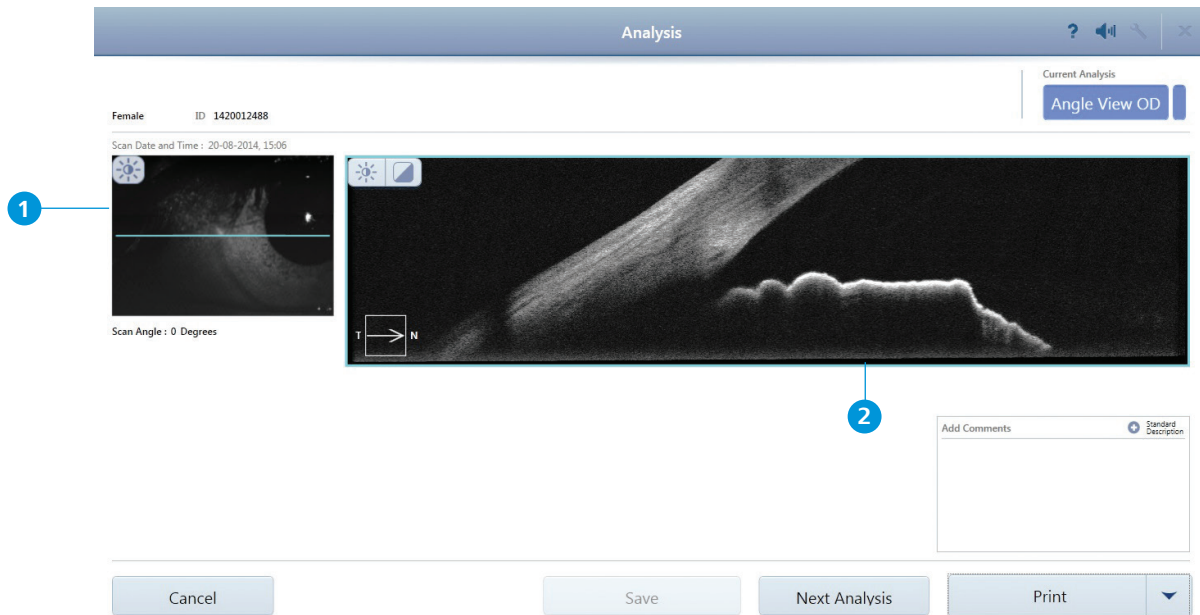


- 1 Horizontal and vertical B-scans are extracted from the data cube through the center of the disc. RPE layer and disc boundaries are shown in black. ILM and cup boundaries are shown in red.
- 2 OCT fundus image of the Optic Nerve Head with **AutoCenter™** automatically centers the Optic Disc and RNFL circle.
- 3 RNFL thickness map is a topographical display of RNFL thickness.
- 4 RNFL and Neuro-retinal Rim Thickness are shown in TSNIT graphs. Other key parameters are displayed in a table format with normative data colors.
- 5 RNFL Quadrant displays patient's RNFL average thickness in each quadrant along the calculation circle with superior and inferior normative data colors.

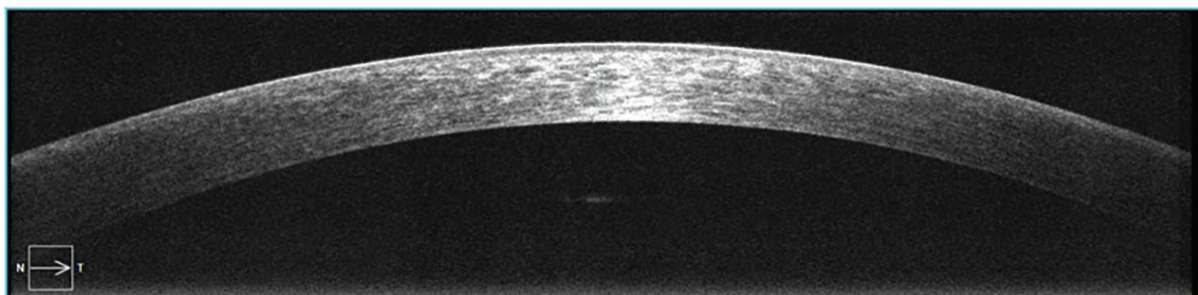
// ANTERIOR SEGMENT IMAGING

Observe. Unveil. Clarify.

The ZEISS PRIMUS 200 delivers anterior segment imaging to visualize the fine details of the cornea and angles in a fresh and intuitive dimension, providing new clarity for your assessment and for your patient's understanding of their condition.



- 1 Visualize a clear image of the cornea, iris and sclera, along with the scan-line location.
- 2 Single-line, high-definition angle view B-scan using the Selective Pixel Profiling™ algorithm.



- 3 Single-line, high-definition cornea B-scan with identifiable epithelium, Bowman's membrane and stroma.



Today, OCT is essential for the daily practice of quality eye care

You cannot treat what you cannot see.

Today, OCT makes ocular anatomy visible in ways never available before so you can see more and treat more.

With ZEISS PRIMUS 200, you can join doctors around the world who have placed their trust in ZEISS, the pioneer in ophthalmic OCT, as their OCT partner.

With ZEISS, you can enjoy the support of the extensive ZEISS global service network and rapid response technologies including remote diagnostics to ensure your OCT is performing at its best.

Today, you can confidently invest in your practice with the certainty that comes with the all new essential OCT from ZEISS: PRIMUS 200.

Technical Specification

OCT imaging

Methodology	Spectral Domain OCT
Optical source	Super Luminescent Diode (SLD), 840 nm
A-scan depth	2.0 mm (in tissue), 1024 Points
Axial resolution	5±1 µm (in Tissue)
Transverse resolution	≤ 20 µm (in Tissue, FWHM)

Fundus imaging

Methodology	Confocal Scanning Laser Ophthalmoscopy (cSLO)
Live fundus image	During alignment
Optical source	Super Luminescent Diode (SLD), 840 nm
Field of view	29° H x 21° V
Transverse resolution	≤ 80 µm (in Tissue)

Scan Reports

Retina analysis	Macular thickness using Auto FoveaFinder™ 5 Line raster with adjustable orientation 1 Line HD with adjustable orientation
Glaucoma analysis	ONH and RNFL analysis using AutoCenter™
Anterior segment	Angle view Cornea view

Electrical and physical

Weight	40 kg (88 lbs)
Dimensions of instrument	120L x 80W x 150H (cm)
Fixation	Internal, External
Internal fixation focus adjustment	-23D to +17D (Diopters)
Pupil Size requirement	> 2mm

Internal Computer

Operating system / processor	Windows 7/Intel Core i3-2330E
Memory	4 GB
Hard drive / internal storage	500GB/2.5inch
Display	23" (resolution: 1366 x 768)
USB ports	4 ports
Ethernet ports	2 ports, 10/100 with 2 independent IP address

Technical specifications are subject to change.



CE 0297

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