

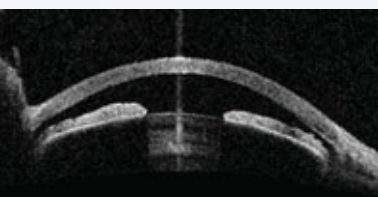
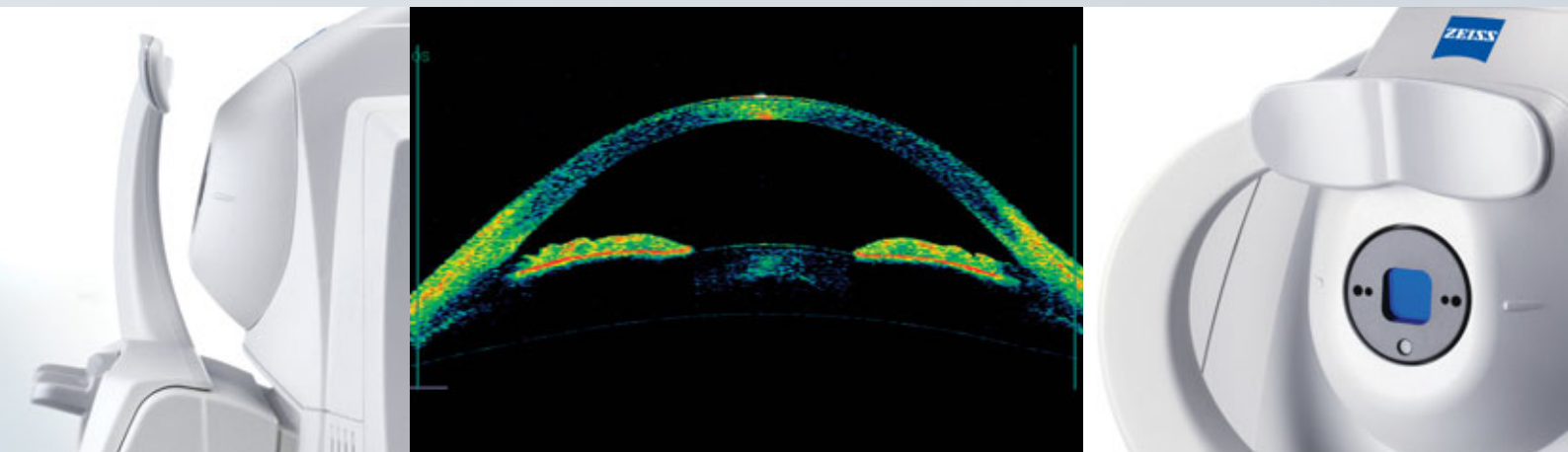
Visante™ OCT

Anterior Segment Imaging & Biometry.

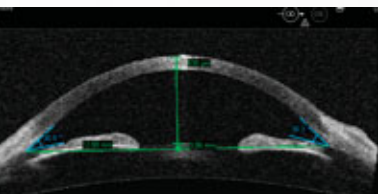
**A new perspective
in clinical confidence.**



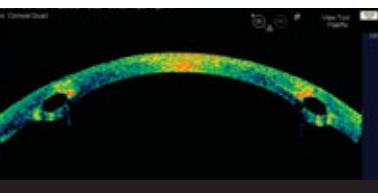
Proven expertise for anterior segment care.



Narrow Angle



Analysis Results



Corneal Ring Segments

With revolutionary instruments such as the Stratus OCT™ system, the unique technological expertise of Carl Zeiss Meditec has long proved invaluable in the diagnosis and monitoring of retinal disease. Now, with the introduction of the Visante™ OCT system, this same expertise is being applied to high-resolution, non-contact optical coherence tomography customized for the anterior segment.

Exceptional design, greater confidence

The Visante OCT system is the first to provide clear, highly detailed, in-depth images of the anterior chamber - including the angle - without the need for ocular anesthesia or a messy, time-consuming water bath. As a result, the Visante OCT system will provide unique images and measurements that will dramatically expand the potential for diagnostic confidence and therapeutic precision. And, just as importantly, Visante OCT is so easy to use and efficient to operate that it will seamlessly take its place in your daily workflow, offering new clinical insights and practice opportunities from day one.

Versatile in application

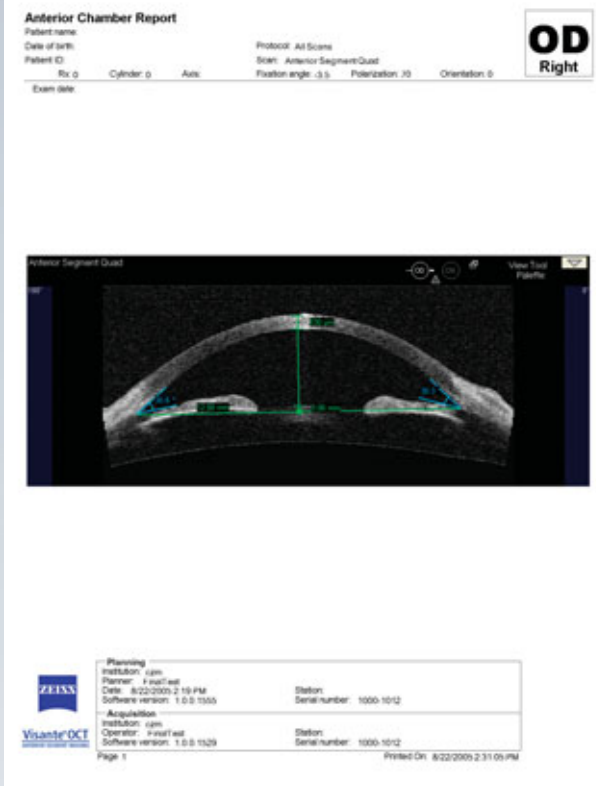
The unique, versatile Visante OCT system provides superb, highly detailed results, consistently supporting surgical planning and postoperative care across a range of anterior segment applications.

Anterior segment imaging

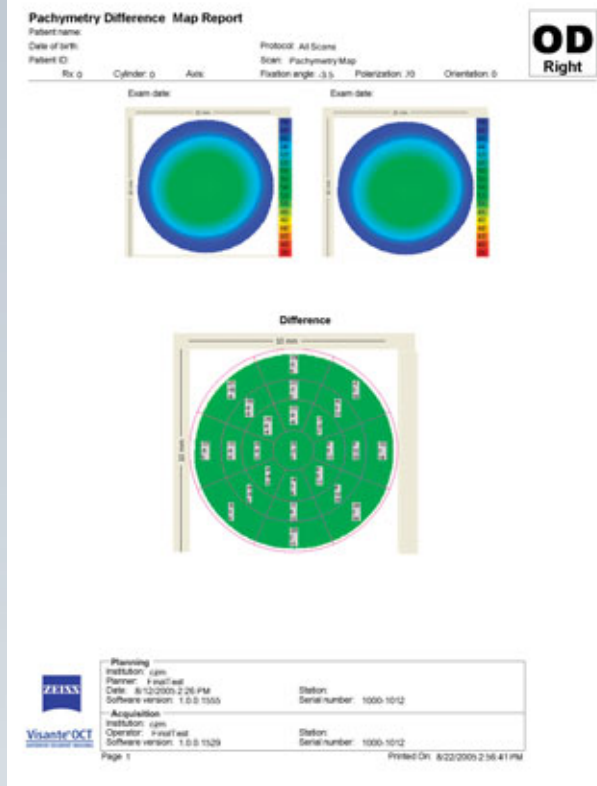
The anterior segment can be evaluated and measured pre- and postoperatively after image acquisition using the analysis mode of the Visante OCT system's software. Practical tools enable planning and measurement of anterior segment ocular structures, including anterior chamber depth (ACD), anterior chamber angles and anterior chamber diameter (commonly referred to as angle-to-angle distance). Anterior chamber angle measurement results provide you with quick and reliable data for narrow-angle evaluation. Anterior segment images can be printed with or without measurement tools and results.

Corneal imaging and pachymetry

Visante OCT provides high-resolution corneal images and documentation for the anterior segment specialist to support the evaluation of ocular health. Rapid acquisition during the pachymetry scan ensures an accurate and repeatable pachymetry map result for application in refractive and glaucoma care.



Anterior Chamber Report



Pachymetry Difference Map Report

New LASIK information

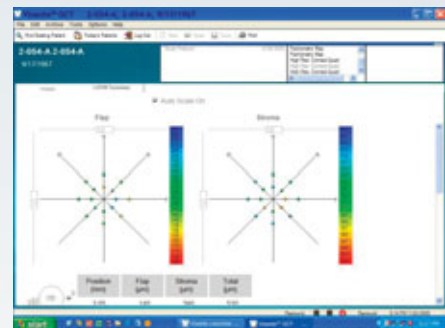
In addition to providing a full-thickness pachymetry map prior to laser surgery, Visante OCT is the first non-contact device to image, measure and document both corneal flap thickness and residual stromal thickness immediately following LASIK surgery. A unique flap tool in the analysis mode enables quick measurements of flap and residual stromal thickness at any location, documented on a color-coded plot that includes tabular results. And because Visante OCT is a completely non-contact system, the stability and safety of LASIK flaps will not be compromised.

IOL and implant imaging

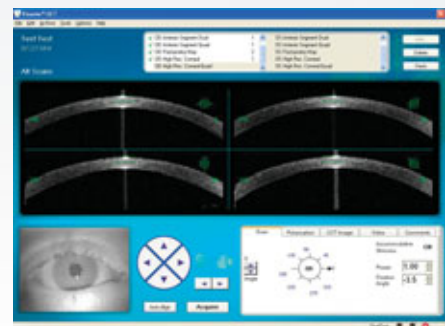
Visante OCT may also aid postoperative evaluation by allowing imaging and visualization of IOLs and implants in the eye. A simple adjustment to the integrated optometer enables visualization of anterior segment changes due to accommodation. The result can then be saved and printed for addition to the patient record.



One-week post-LASIK image analysis



One-week post-LASIK printout



High-resolution corneal quad scan acquisition screen



Positioned for accuracy and comfort

The Visante OCT system is designed for optimal practice efficiency. It is simple to use and highly automated, with a motorized chin rest, internal and external fixation targets and an intuitive user interface.

The comprehensive commitment

You can be comfortable with your decision, too. Offering a combination of proven expertise and demonstrated commitment, the Visante OCT system will address the challenges of the anterior segment with expanded capabilities and greater clinical confidence, in ways that only Carl Zeiss Meditec can offer.

For more information on the new Visante OCT system, please contact your Carl Zeiss Meditec representative today.

Technical Specifications

| | |
|---|---|
| Illumination laser source | Long wavelength 1,310 nm superluminescent LED |
| Scan types | |
| Anterior segment (16 mm x 6 mm) | Single, dual and quad line scans Adjustable in 1-degree increments 256 A scans per line sampling 0.125 second per line acquisition time |
| Pachymetry map (10 mm x 3 mm) | Adjustable 8-line scan pattern Regional map with maximum, minimum and average values 128 A scans per line sampling 0.5 second total acquisition time |
| High-resolution corneal scans (10 mm x 3 mm) | Adjustable in 1-degree increments 512 A scans per line sampling 0.25 seconds per line acquisition time |
| Optical resolution | Axial: 18 µm Transverse (center): 60 µm |
| Ametropia correction | -35 to +20 diopters |
| Fixation target | Internal or external |
| Dimensions/Weight | 48.5 cm H x 43.8 cm W x 63.2 cm D; 34.5 kg (19.1 inch H x 17.2 inch W x 24.9 inch D; 76.1 lb) |
| Display | Integrated 15-inch flat-panel display |
| Computer specs | Windows® XP / 3.0 GHz Pentium® IV / 1 GB memory |

Note: All technical specifications are subject to change without notice.

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