

# Advanced Imaging Solutions

Cirrus™ HD-OCT, Stratus OCT™, GDx™



**We have a solution for you.** Selecting the right imaging product for your practice is challenging. That's why we offer a family of imaging systems designed to grow with your changing needs. Our commitment to continually enhance the performance and analysis capabilities of our instruments means that you can be confident you made the best choice. Plus, the Carl Zeiss family of products provides you the flexibility to trade-up when you are ready, meeting the demands of your growing practice.



## GDx

### The ideal glaucoma management tool

**Extend your senses.** Highly intuitive RNFL analysis to help you identify some of the earliest signs of glaucoma.

**Identify the fast progressors.** Guided Progression Analysis™ (GPA) identifies both focal and diffuse change in RNFL thickness.

**Simplify your workflow.** Analyze patient data and view reports from any network location with powerful client-server software.

**Grow your practice.** Dedicated resources at Carl Zeiss are available for interpretation, billing and practice-marketing services.

**Provide a patient-friendly experience.** Short chair time, just seconds per eye with easy to learn, simple to use system.

**Minimize your investment.** Affordable, portable, and compact instrument can travel to any location.



## Stratus OCT

### The standard of care system for comprehensive retina and glaucoma management

**Visualize virtual histology.** High resolution cross-sectional imaging for the comprehensive management of glaucoma and retinal disease.

**Assess RNFL change.** GPA Advanced Serial Analysis reports statistically significant change and rate of change in RNFL thickness.

**Expand your clinical confidence.** Most extensive library of clinical studies in the industry and over 8000 systems installed worldwide.

**Offer comprehensive care.** Valuable for pre- and post-op cataract patients to identify and illustrate cause of poor vision.

**Increase practice productivity.** Operate the full analysis capabilities from the lane, your office or a remote location.



## Cirrus HD-OCT

### The new high definition spectral domain OCT for the cutting-edge practice

**Immerse yourself in the image.** Exquisite high-definition of tissue and three dimensional reconstructions.

**Appreciate high-performance analysis.** Proprietary, clinically validated algorithms provide unique 3D maps of individual retinal layers.

**Simplify diagnosis.** Clinician-friendly reports display relevant information at-a-glance.

**Repeat and reproduce.** Auto Patient Recall™ and Real-Time Registration™ ensure precise reproducibility critical for assesment of glaucoma progression and macular changes.

**Maximize patient throughput.** Total technician time of less than 3 minutes for scan, analysis and print.

**Optimize office space.** Smallest footprint with 90-degree operator-to-patient interaction.



User Features	GDx	Stratus OCT	Cirrus HD-OCT
<b>General</b>			
Technology	Scanning Laser Polarimetry	Optical Coherence Tomography (OCT)	Spectral Domain OCT
Integrated design	•		•
Portable	•		
<b>Acquisition</b>			
Non-mydratic	•		•
Joystick operation	•	•	
Point-and-click mouse driven operation			•
Fastest scan speed			•
Technician time for two eyes	< 3 min	< 5 min	< 3 min
Glaucoma screening mode	•		
<b>Software Features</b>			
Repeat scan function	•	•	•
Review Software	•	•	•
Correlation of scan to fundus image	•		•
Auto Patient Recall™			•
Bulk image export	•	•	
<b>Images</b>			
Cross-sectional OCT image		•	•
High-definition fundus image			•
3D volume rendering of macula and optic nerve head			•
3D fly-through video			•
Segmentation layer maps of ILM and RPE			•
<b>Analyses</b>			
Retinal thickness analysis		•	
RNFL thickness analysis	•	•	•
Optic nerve head analysis		•	
Automated optic nerve head registration	•		•
Macular thickness normative data		•	
RNFL normative data	•	•	•
Guided Progression Analysis™ (GPA)	•		
GPA Advanced Serial Analysis		•	
<b>Technical Specifications</b>			
Field of view	40 x 20 degrees	26 x 20.5 degrees	36 x 30 degrees
Scan speed	41 frames/sec	400 A-scans/sec	27,000 A-scans/sec
A-Scan depth	N/A	2.0 mm (in tissue)	2.0 mm (in tissue)
Axial resolution	N/A	10 µm (in tissue)	5 µm (in tissue)
Transverse resolution	45 µm	20 µm (in tissue)	15 µm (in tissue)
Minimum pupil diameter	2 mm	3.2 mm	2 mm
Dimensions (in inches)	14h x 10w x 24d	19.2h x 16.5w x 23.7d	20.9h x 17.3w x 25.6d
Weight	45 lbs (21 kg)	58 lbs (26.3 kg)	83 lbs (37.6 kg)

Above information is based on Stratus Software version 5.0 and Cirrus software 3.0

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