OPTOVUE

Our vision is foresight

*i*Series
OCT Systems

The Optovue *iSeries*

Improving OCT performance with ease

Who ever said advanced OCT scanning had to be complicated? When an OCT design puts user experience first, it can be simple to learn and easy to use. So it is with the Optovue *iSeries*.

But don't confuse simplicity with performance. The *iSeries* systems are fully featured and deliver many exclusive Optovue capabilities:

- Ganglion cell complex (GCC) with exclusive metrics that increase the sensitivity and specificity of the GCC analysis[1]

  - FLV% measures the average amount of focal, or isolated, loss over the entire GCC map
  - GLV% measures the average amount of GCC loss over the entire GCC map

- The *iWellnessExam®*, a single scan that reveals changes in retinal anatomy that may warrant further examination

- Cornea Advance, a powerful module for visualization and quantification of anterior segment structures

- Largest FDA-cleared normative database of all commercially-available OCT systems

Engineered for your OCT success

iSeries systems are ideal for eye care providers (ECPs) who need advanced OCT technology that's easy to use and learn. System software is very intuitive with helpful graphics and timely prompts that walk you through an exam. Most users are up to speed in a day.

Another advantage of the *iSeries* systems is completeness, the capacity for one OCT to deliver the full spectrum of applications from retina to cornea. Add it all up and you arrive at an unparalleled combination of ease and clinical utility that makes the *iSeries* the best value in OCT—which leads to optimum eye health for your patients.

1. Zhang X et al. for the AIG Study Group. Predicting development of glaucomatous VF conversion using baseline FD-OCT Am J Ophthalm 2016; 163:29

i **Fusion**®

Combines the advanced OCT capabilities of *iVue* with a high-performance fundus camera that delivers exceptional posterior and anterior segment photographs.

i **Vue**®

The benchmark for eye care practitioners seeking unmatched OCT performance and value—with capabilities you would expect to cost far more.

*i*Vue® OCT

Looking deeper. Seeing more.

At first glance, the *iVue® OCT* system may strike you as a simplified OCT. Lightweight and modular, you can position it wherever suits your needs.

As for operational ease, from the moment you turn the system on, its familiar slit-lamp-style design makes scanning a breeze. But when you begin looking deeper, at the resulting diagnostic screens, you get a different picture—the big picture.

Those extras are standard

The *iVue* provides an impressive array of standard features. OCT scanning and resolution are excellent. Resulting reports for retina, optic nerve head and anterior segment assessment are comprehensive, providing capabilities for which other systems charge extra— if they have them at all. Some are Optovue exclusives such as FLV% and GLV% analysis and the *iWellnessExam*® for more personalized patient eye care. No wonder *iVue* has become the benchmark for unmatched OCT performance and value.

iVue® OCT
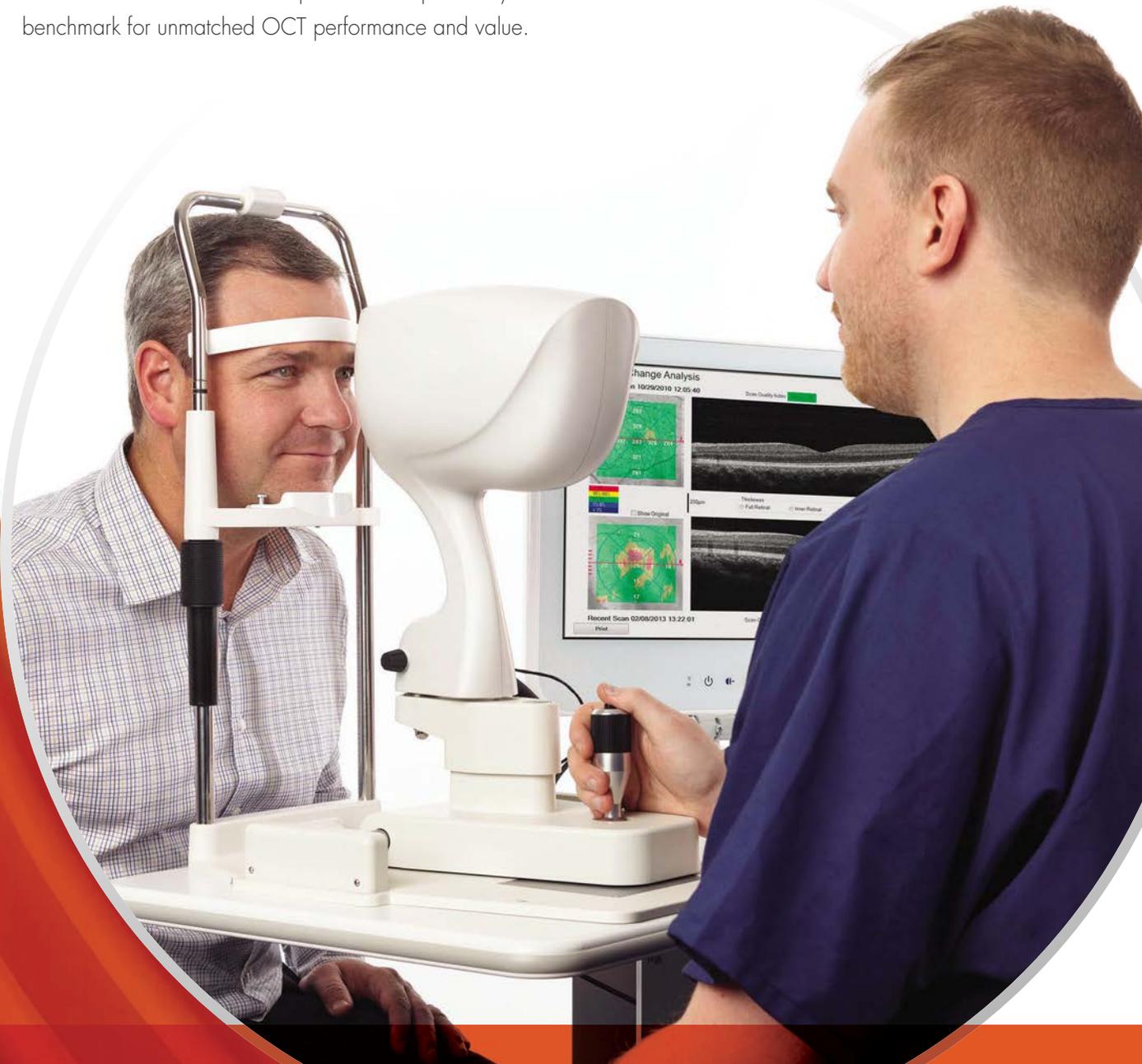
Advanced diagnostic imaging capabilities

The *iVue*® platform supports highly advanced diagnostic imaging applications off the shelf including retina, optic nerve head and anterior segment assessments.

Ganglion Cell Complex (GCC®)

Advanced GCC imaging reveals ganglion cell and axon loss in optic nerve head disease. GCC thickness mapping improves clarity in structural change identification. Optovue's exclusive FLV% and GLV% analyses increase GCC sensitivity and specificity.

GCC Thickness Map
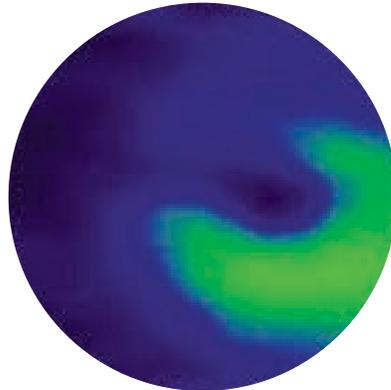
GCC Thickness with Normative Comparison

3D and En Face

3D and en face view provides multi-layer, high-resolution virtual dissection of the retina and optic disc, and depicts them in a way that preserves the retina's natural curvature. This reduces distortion for simpler interpretation and enhanced 3D visual assessment.

3D Optic Disc

En Face Presentation

Cornea Advance

Cornea Advance expands iVue's clinical utility for pre-surgical planning and post-operative assessment. Analysis of the anterior chamber and cornea is enhanced via anterior segment angle measurements and pachymetry with change analysis.
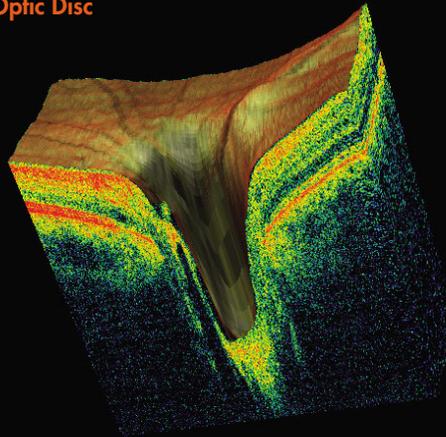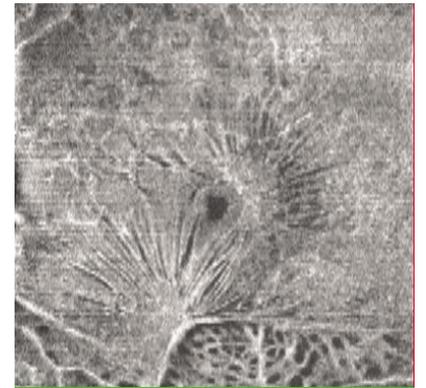
Angle Scan with Measurement Tools

### Pachymetry with Change Analysis

*i*Vue OCT
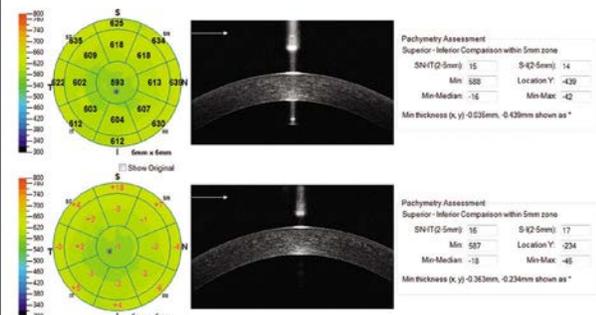
Essential imaging capabilities

Retina Mapping
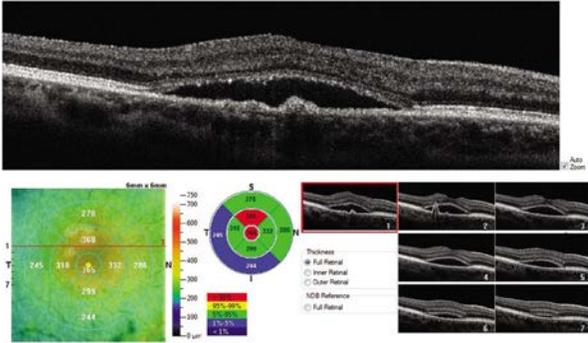
3D Macula
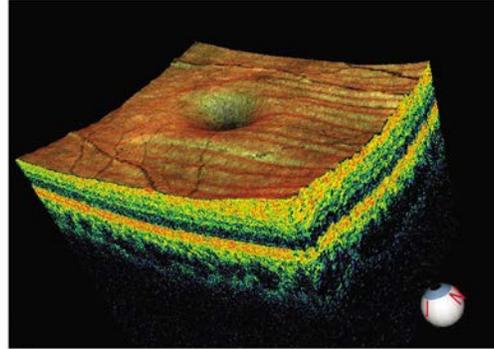
Retina mapping and analysis

Retina mapping with normative comparison, retina change analysis and 3D retinal imaging with en face presentation are all depicted in high-resolution, easy-to-interpret color reports.

RNFL/GCC OU Report
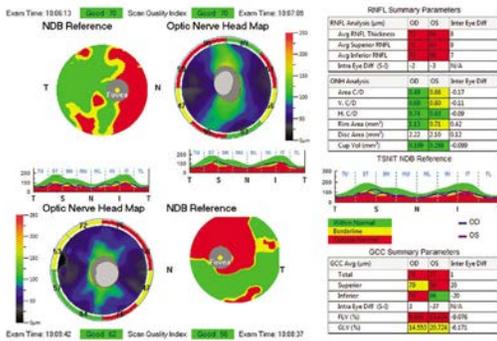

Trend Analysis
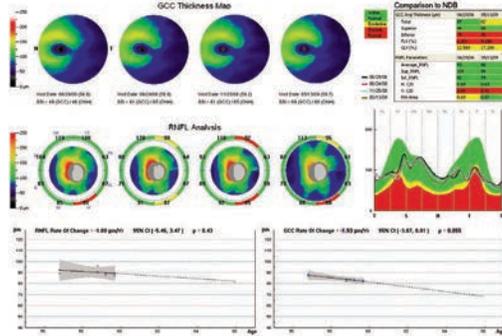
Optic disc and RNFL assessment

Advanced capabilities include RNFL and GCC® combination reports with normative comparison as well as RNFL and GCC trend analysis —both standard.

Pachymetry Mapping
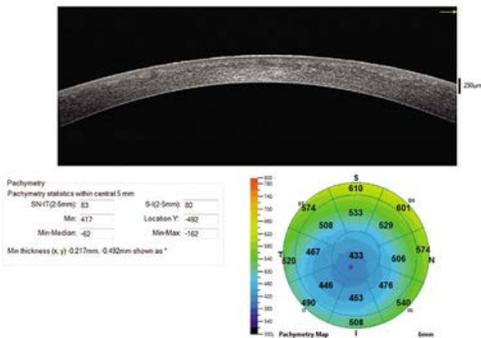
Anterior Segment Angle with Measurement
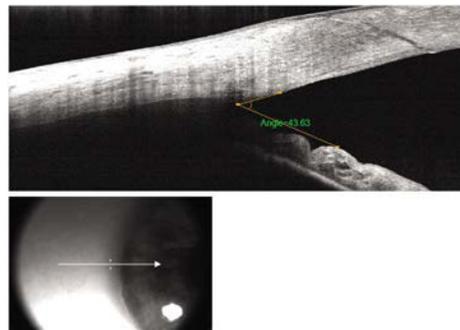
Comprehensive anterior segment analysis

Anterior segment capabilities include highly detailed reports for pachymetry mapping with change analysis and anterior segment angle measurement.

*i*Vue specifications

Scanner

OCT Image	26,000 A-scan/second
Depth Resolution (in tissue)	5.0 µm
Traverse Resolution	15 µm (retina)

Scan Range

Depth	2 - 2.3mm (retina)
Scan Beam Wavelength	840nm (+/-10nm)

OCT Fundus Image (En Face)

FOV	(H) 21° x (V) 21°
Minimum Pupil Diameter	2.5mm
External Image (Live IR) FOV	13mm x 9mm

Table

Dimensions (in)	(W)19.1 x (L)34.4 x (H)263-343
Weight (lbs)	79

iFusion® **OCT & Digital Fundus Photography**

# Sometimes image is everything

iFusion® combines the advanced OCT capabilities of *iVue* with *iCam*®, a high-performance fundus camera that delivers posterior and anterior segment images with exceptional depth, color and resolution. The system software is very easy to learn and enables fast, flexible image review. With *iFusion*, you can quickly overlay *iVue* OCT images onto the fundus photos. And since it utilizes *iVue's* existing table and frame, its footprint is negligible.

iCam® **key features**

- 45° color and red-free imaging
- Image sharpening
- 5-megapixel camera for high-fidelity color saturation

Intuitive joystick control combined with focusing and positioning tools result in quick, efficient photography.
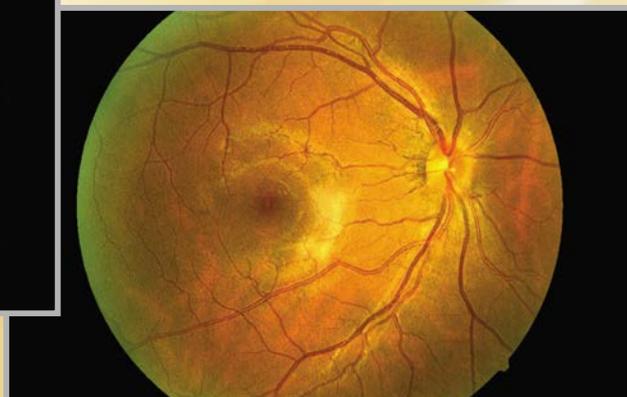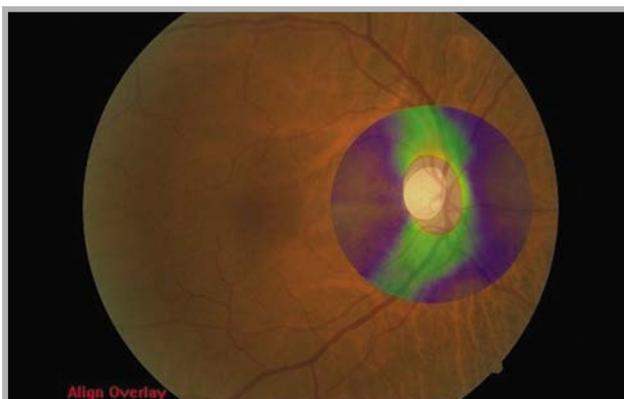
*i*WellnessExam®

A clear path to patient eye health

The *iWellnessExam*® is an Optovue exclusive available on all iSeries OCT systems that delivers a quick, easy OCT scan to promote better overall patient eye health.
Its usefulness stems from a single, comprehensive report that depicts:

- Retinal thickness and GCC® thickness with normative comparison
- Symmetry analysis
- FLV% and GLV%, proprietary Optovue GCC metrics that provide important information to aid in ocular disease diagnosis and management
- Eight high-resolution B-scans

*i*WellnessExam benefits patients

Ultimately *iWellness* benefits patients by helping them become more involved in their own eye health. The scanning process is simple and quick, and each patient receives comprehensive, personalized eye health information in an easy-to-understand report.

*i*WellnessExam benefits eye care providers

iWellness benefits ECPs by providing a valuable assessment tool that can reveal the need for more extensive imaging. It also streamlines the exam process by quickly confirming normal—or helping you more efficiently diagnose pathology. Optovue's current *iWellnessExam* users have affirmed that the *iWellnessExam* improves patient involvement, loyalty and retention. This helps you grow and differentiate your eye care practice, while also providing a new revenue stream.

Retinal thickness map uncovers thinning and thickening

GCC map can reveal GCC thinning

iWellness   Scan Quality Index Good 57   ☐ View Reproducibility   Left / OS

Full Retinal Thickness

7mm x 7mm

NDB Reference

Average Thickness

Average Thickness	μm	
Total	85	Within Normal
Superior	86	
Inferior	83	Borderline
Superior - Inferior	3	Outside Normal
FLV (%)	1.520	
GLV (%)	10.591	

> 99%
95%-99%
5%-95%
1%-5%
< 1%

Print   Comment
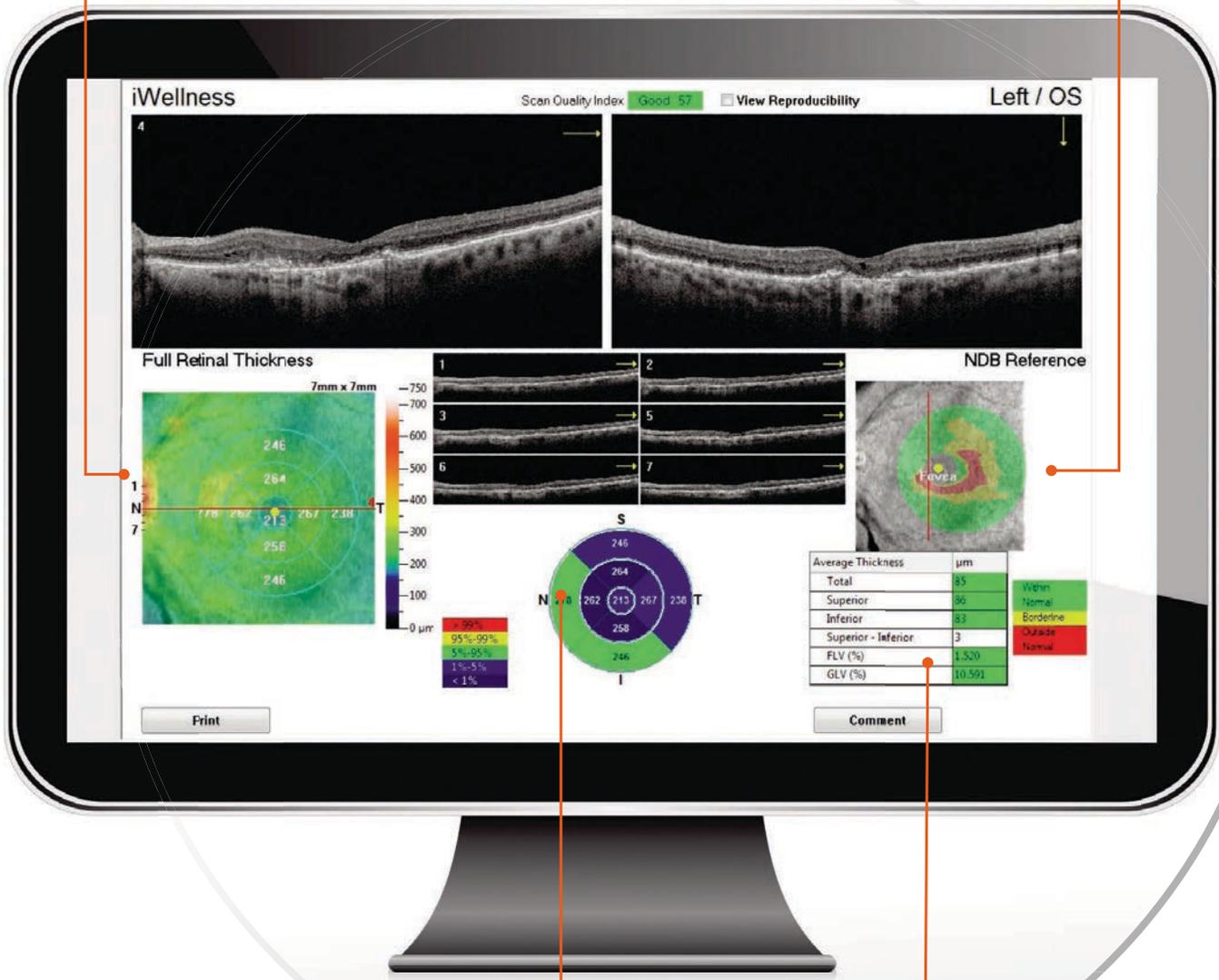
ETDRS diagram shows average retinal thickness by zone as compared to the normative database

Optovue's exclusive FLV% and GLV% provide valuable data points to aid in the prediction of visual field conversion in glaucoma suspects[2]

Networking Solutions

- **NetVue Pro** allows viewing and modification of images from a single Optovue OCT system on up to eight review stations. In addition, with NetVue Pro, new patient scans may be captured while existing scans are reviewed.

- **NetVue Enterprise** enables viewing and modification of images from multiple Optovue OCT systems on up to 20 review stations.

- **NetVue Web** is a browser-based solution that brings Optovue OCT images to a smart phone, tablet or PC.

- **DICOM.** All Optovue products are DICOM compatible.

Networking Specifications

Operating System: Windows 7, 8 and 10; 65-bit OS compatible
Processor Speed: 3.0 GHz; Intel Quad Core (desktop); Core 2 (laptop)
Network Bandwidth: 1 Gbps or higher
Computer RAM: 4 GB or higher
Monitor Resolution: 1920 x 1080 at 32-bit color

The Optovue Customer Success Pledge

We're with you every step of the way.

The Academy at Optovue

Our Academy brings OCT education to your desktop or mobile device, making it easy to learn how to interpret images, understand reports and apply the information to clinical practice. Watch instructional videos and webinars, read peer-reviewed papers and browse our extensive scan atlas. Help your staff become more proficient operators of your Optovue OCT system with our collection of technician training videos.
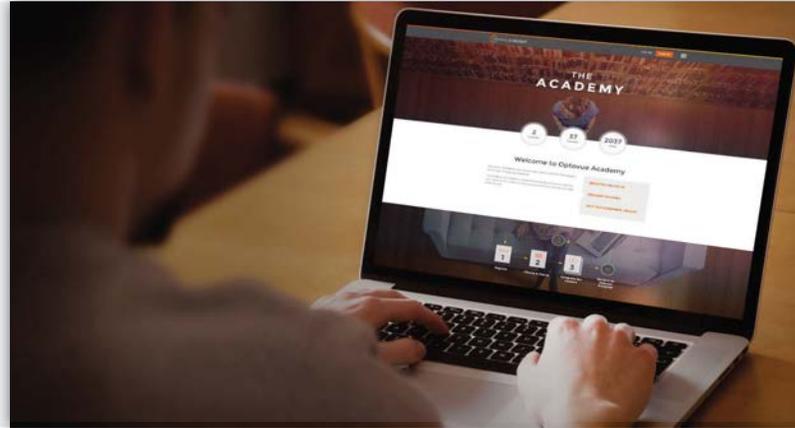
Differentiate Your Practice

iWellness offers an excellent opportunity to differentiate your practice by demonstrating your commitment to eye health and adding value to your patients' eye exams. Let us help you promote this unique service with our practice marketing kit, which contains everything you need to offer the iWellness Exam to patients, referring physicians, and the local community.

Best-In-Class Training and Support

You will receive unparalleled support, beginning with professional installation and in-office staff training from a dedicated clinical applications specialist. Plus, every new Optovue OCT system includes live phone and online support available at no additional cost for five years from the date of purchase, giving you peace of mind.

Free Software Updates

We continually strive to improve the usability and efficiency of all of our products, so as we develop new and better ways of doing things, we pass that on to you — free of charge. These free software updates are included with your OCT system purchase and continue for the life of your instrument.*

*Software updates as defined by Optovue improve system usability and efficiency. Software upgrades may incur an additional charge.

Our vision is foresight

Since 2006, Optovue has been a leading provider of OCT technology for ocular diagnostic imaging, having installed more than 10,000 systems on six continents. We remain the only company in the world solely focused on furthering the science, efficacy and clinical application of OCT for enhanced eye health. Not surprisingly, this specialization has yielded a history of OCT patents and firsts.

Destination: optimum OCT utilization

Along the way, our mission has been crystal clear: to enable the best possible application of OCT technology through a customer-centric approach. You'll see this reflected in our product designs, which emphasize clinical utility and user experience, not frills. Similar values guide our OCT support teams, totally committed to supporting ECPs in the earliest possible detection of sight-threatening diseases. We simply call this focus foresight. And we cannot imagine a better vision.

Put Optovue foresight to work in your practice today

For a complimentary practice consultation or iSeries system demonstration call 1.510.623.8868 or visit optovue.com.

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2800 Bayview Drive, Fremont, CA 94538   **optovue.com**