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. To be any easier they would have to run themselves—and sometimes they do!

But don’t confuse simplicity with performance. The iSeries systems are fully featured and deliver many exclusive Optovue capabilities such as ganglion cell complex (GCC) analysis with focal loss volume (FLV%) and global loss volume (GLV%) metrics, the iWellnessExam® and the Cornea Advance module, which includes Vault Mapping for specialty lens fitting.

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 secret to the iSeries’ simplicity is completeness, the capacity for one OCT to deliver the full spectrum of applications from cornea to retina. 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 spells optimum eye health for your patients.

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

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

iScan®
The fully integrated OCT that practically runs itself—setting the standard for simplicity in OCT.
Looking deeper. Seeing more.

At first glance, the iVue® OCT system may strike you as a simplified OCT. In some ways it is. 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

Soon you realize that 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 FV% and GLV% analysis and Vault Mapping. Every iVue OCT also comes standard with the iWellnessExam® for more personalized patient eye care. No wonder iVue has become the benchmark for unmatched OCT performance and value.

iVue specifications

Scanner

<table>
<thead>
<tr>
<th>OCT Image</th>
<th>26,000 A-scan/second</th>
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<tbody>
<tr>
<td>Depth Resolution (in tissue)</td>
<td>5.0 μm</td>
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<tr>
<td>Traverse Resolution</td>
<td>15 μm (retina)</td>
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Scan Range

| Depth | 2 - 2.3 mm (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 (mm) | | |
| Weight (kg) | | |

Retinal mapping and analysis

Retinal 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.

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.

Comprehensive anterior segment analysis

Anterior segment capabilities include highly detailed reports for pachymetry mapping, anterior segment angle measurement and Vault Mapping for specialty lens fitting.
CorneaAdvance

CorneaAdvance 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, Vault Mapping for specialty lens fitting, and specialized anterior display reports.

Ganglion Cell Complex (GCC)

Advanced GCC imaging reveals ganglion cell 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.

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.

 GCC Thickness Map
 GCC Thickness with Normative Comparison

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 right out of the gate. 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

The intuitive joystick control combined with focusing and positioning tools result in quick, efficient photography.

The iFusion user interface provides intuitive operation and insightful image review.

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.

Intuitive joystick control combined with focusing and positioning tools result in quick, efficient photography.
The OCT that practically runs itself

Welcome to the world of guided OCT—where advanced scanning is realized in a system so user-friendly it even talks to patients. Meet iScan®, the fully integrated OCT that sets the standard for simplicity—perfect for ECPs seeking an affordable OCT entry. It’s ideal for practices with limited staff, since iScan delivers consistent scan acquisition with minimal training—and vocally guides patients through an entire exam in any of 12 languages. iScan also comes standard with the iWellnessExam®, a comprehensive retinal exam that improves patient education and involvement.

Compact and portable, iScan’s streamlined design integrates the operator interface, display, patient interface and scan head into one console that can be moved from station to station and mounted on any tabletop. Then comes the easy part—plug in, switch on and start scanning.

From Essential to Comprehensive

iScan is available in two configurations: Essential and Comprehensive. iScan Essential can be upgraded to iScan Comprehensive at any time to enable more advanced diagnostic imaging.

**iScan Essential capabilities**
- iWellnessExam
- Retina mapping
- RNFL and GCC® trend analyses
- FLV% and GLV% analysis to increase GCC sensitivity and specificity

**iScan Comprehensive capabilities**
- iWellnessExam
- Retina mapping
- RNFL and GCC® trend analyses
- FLV% and GLV% analysis to increase GCC sensitivity and specificity
- High-density 3D retinal imaging
- In-depth 3D optic disc analysis
- Cornea Advance anterior segment imaging and measurement

iScan specifications

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iWellnessExam®

A clear path to patient eye health

The iWellnessExam® is an Optovue exclusive 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

iWellnessExam 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.

iWellnessExam 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. And Optovue’s exclusive practice education consultants will help you quickly integrate OCT into your daily practice and realize the full potential of the technology.
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.