

# iVue<sup>®</sup> SD-OCT

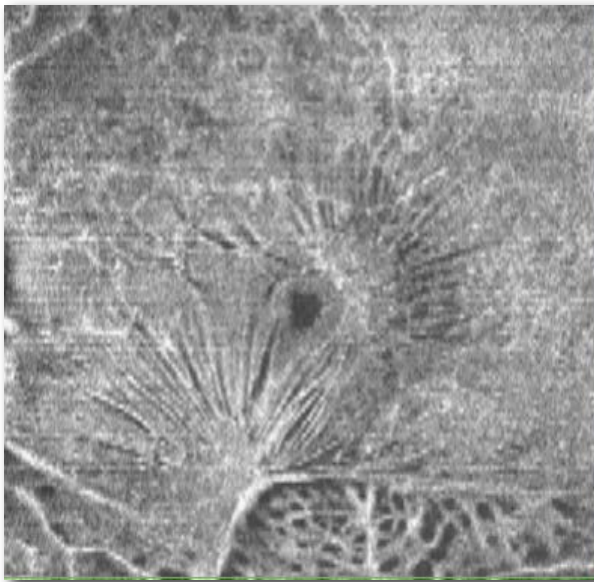


Simple • Portable • Powerful

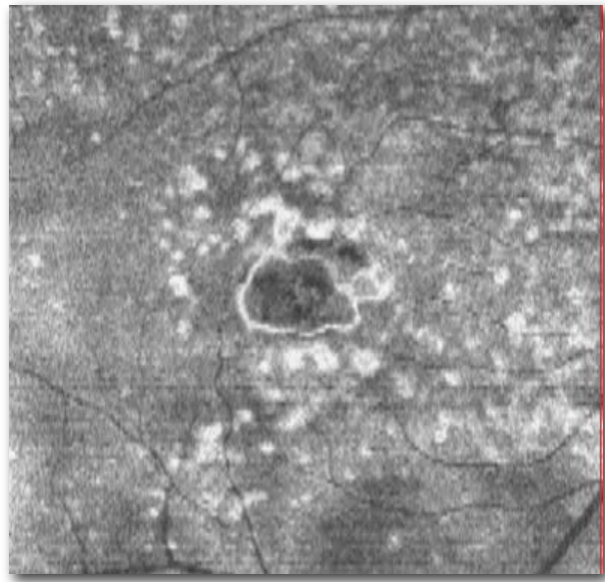
# 3D/En Face Analysis Upgrade

## Features

- Virtual dissection of the retina and optic disc
- 512 X 128 dense cube with 67 million data points
- High density 3D volume for visualization and analysis of patient condition

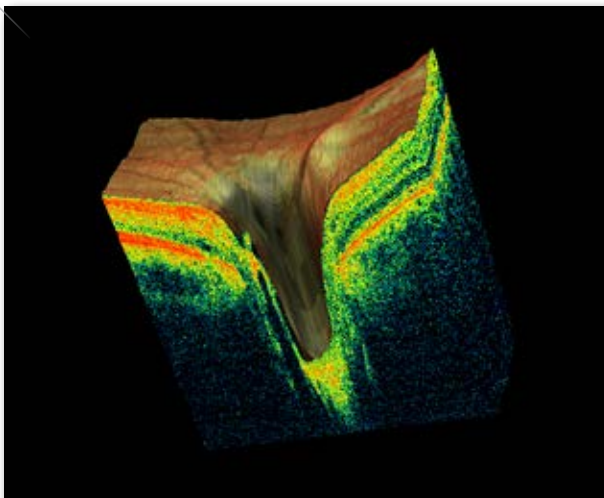


En face view of Inner Limiting Membrane

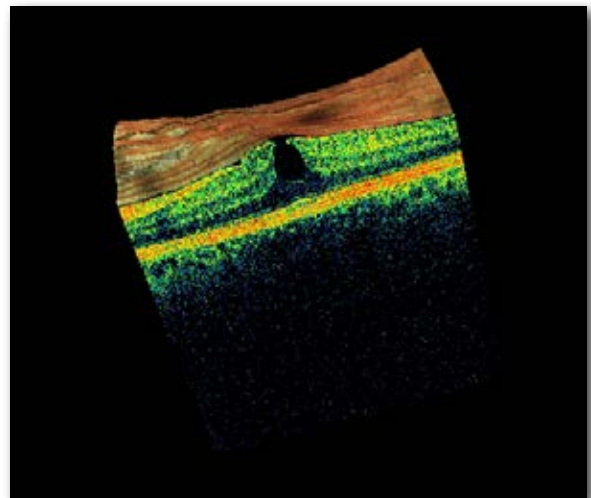


En face view of Retinal Pigment Epithelium

## Enhanced 3D for volumetric visual assessment

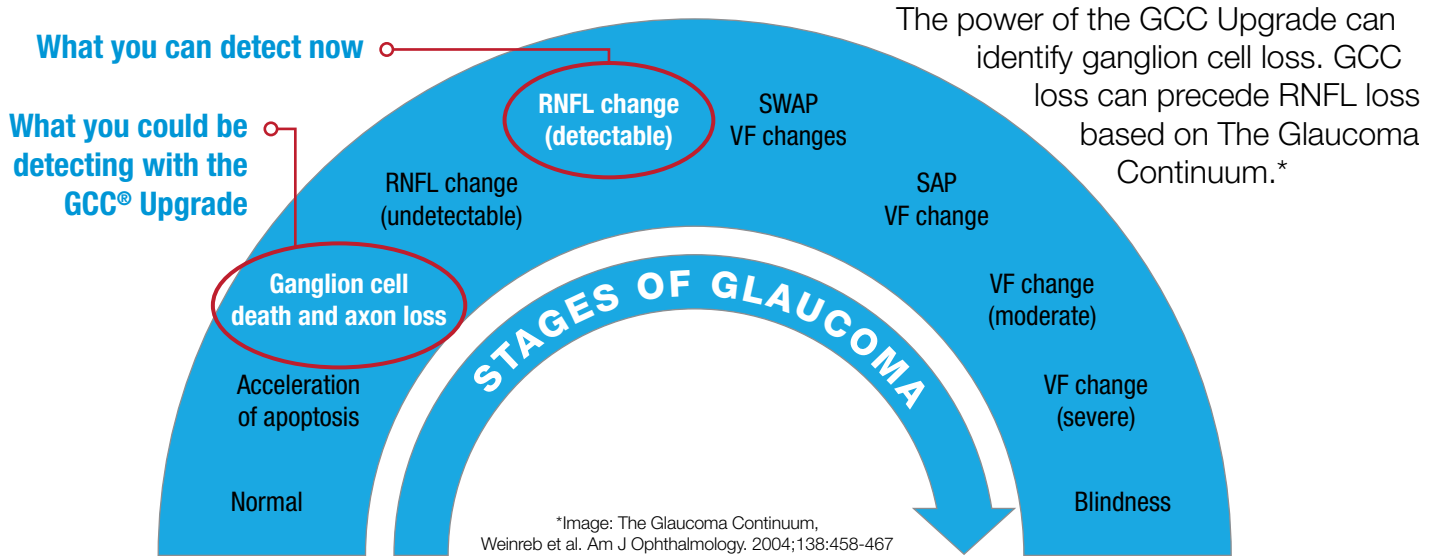


3D Optic Disc

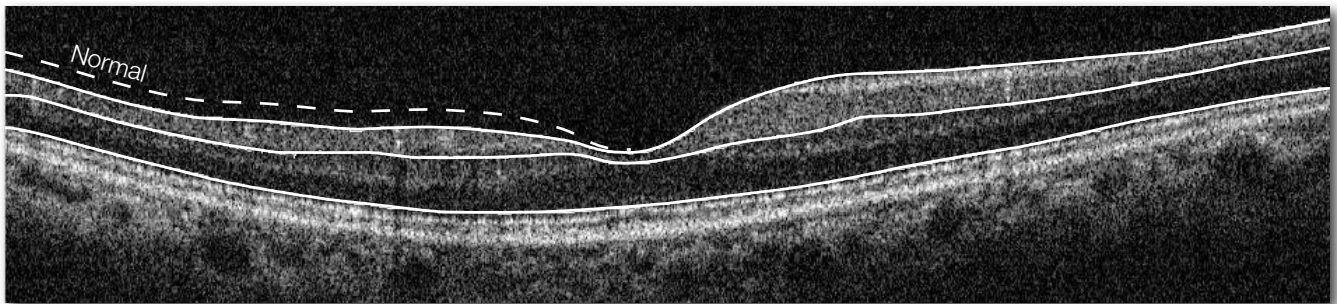


3D Macula Scan

# Ganglion Cell Complex (GCC®) Upgrade



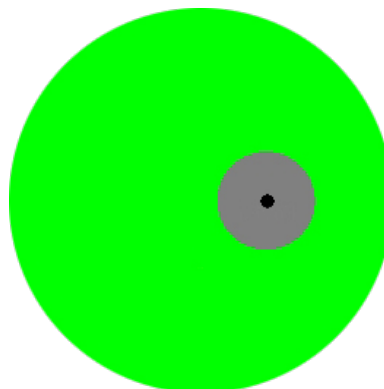
## Ganglion Cell Complex Thinning



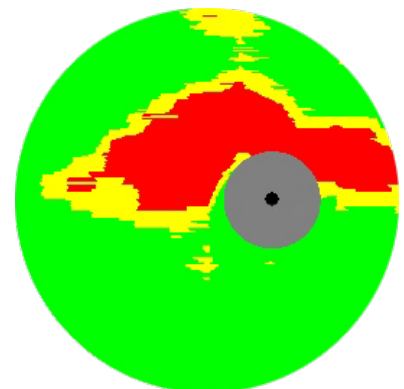
## GCC® Thickness Mapping

Fixation for the GCC map shifts the scan pattern to increase sensitivity to structural changes that may correlate to a nasal step defect.

*GCC structure changes may be associated with glaucoma, retina or neurological diseases.*

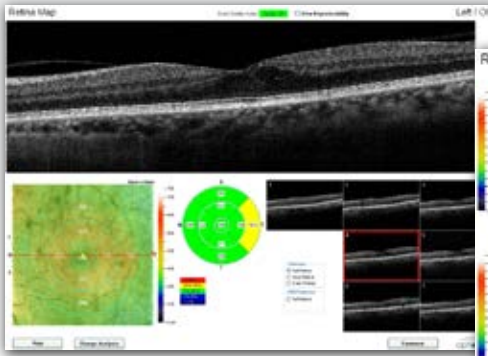


No Apparent GCC Loss

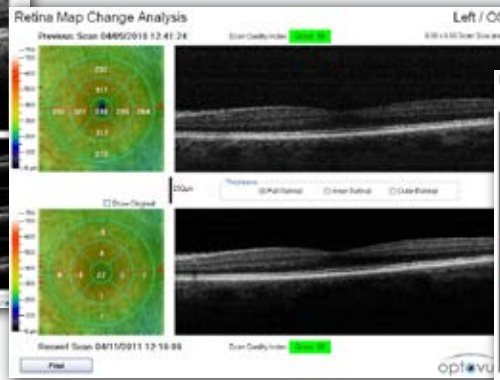


Measurable GCC Loss

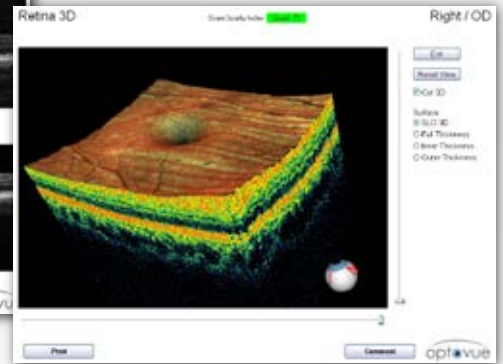
# RETINA



**Retina Mapping with Normative Comparison**  
 6 x 6mm Retinal Thickness map  
 7 Line Hi-res Raster  
 250 micron separation

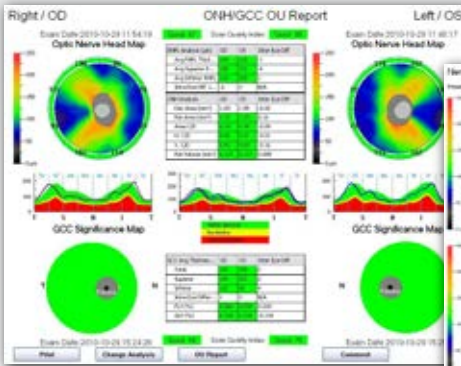


**Retina Change Analysis**

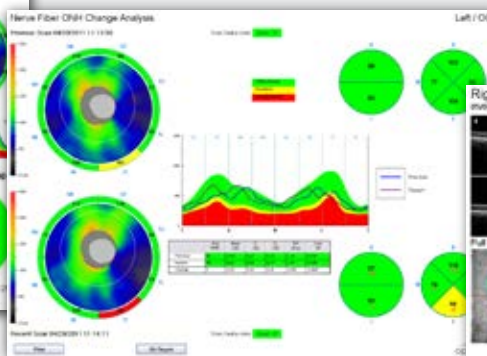


**3D Macula - Upgrade Available**  
 512 x 128 Cube

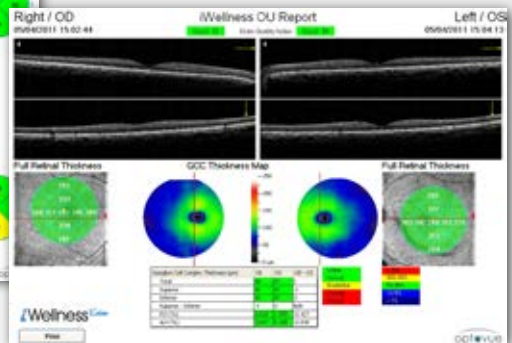
# OPTIC DISC, RNFL & GCC® ASSESSMENT



**Optic Nerve Head & Ganglion Cell Combination OU Report**  
 RNFL, Optic Disc Metrics & GCC with Normative Comparison

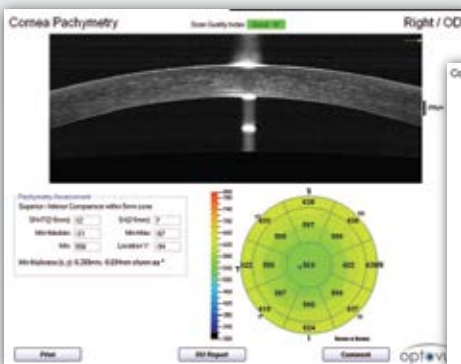


**Change Analysis**  
 RNFL & Optic Disc Metric Change Report with Normative Comparison

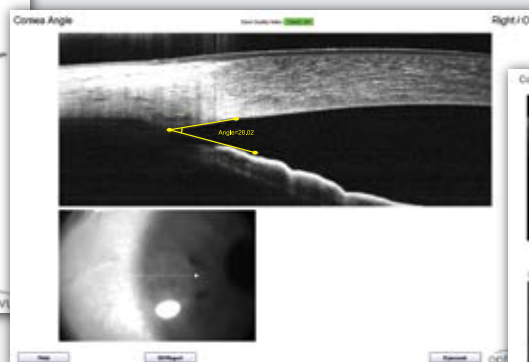


**iWellness OU Report - Upgrade Available**  
 Proprietary wellness scan

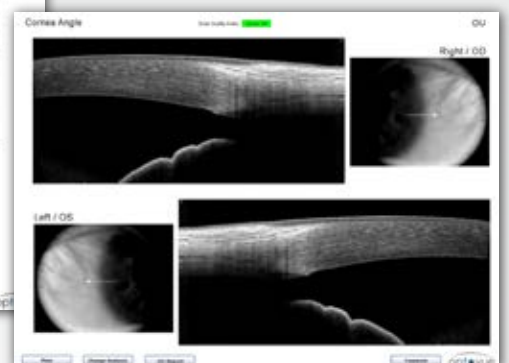
# CORNEA/ANTERIOR SEGMENT



**Pachymetry Mapping**  
 Full 6mm diameter Corneal Thickness Map  
 Cornea B-scan slice



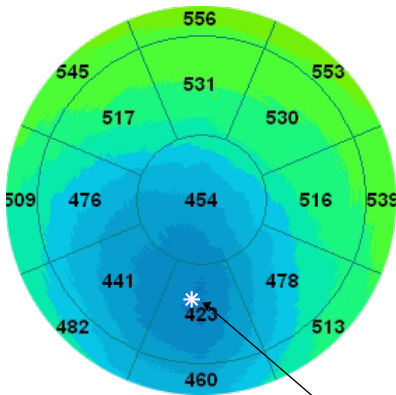
**Angle Measurement**



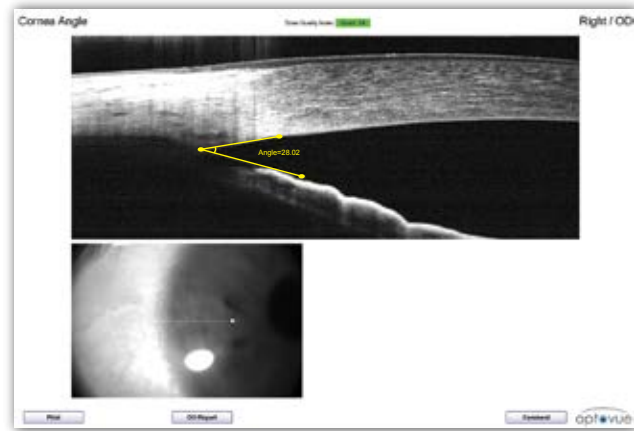
**OU Angle**

# Cornea / Anterior Segment Features

for non-contact Anterior Segment Assessment

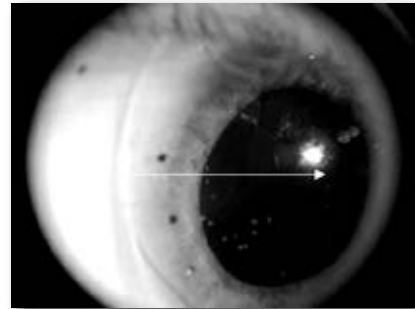
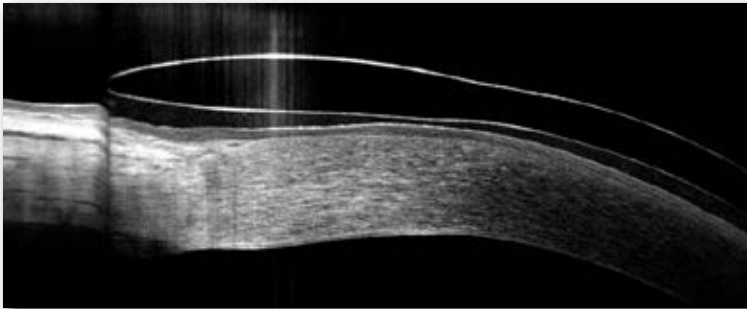


Pachymetry - Full 6mm diameter corneal thickness mapping with minimum thickness indicator



Angle Visualization and Measurement

## Contact Lens



## iVue Versatility

expand your OCT World

Optional Rolling Case  
26" x 18" x 17" @ 24 lbs.



Optional iStand  
for universal iVue positioning  
such as supine scanning



# iVue®

The next wave of the revolution **is here**

The first Spectral-Domain OCT for every clinical practice. The iVue SD-OCT is the next phase in advanced OCT product design and the first true WorldOCT™.

With the complete offering of retina, glaucoma and anterior segment scanning as standard, iVue is the perfect advanced, yet easy-to-use OCT for clinical practices. The streamlined user interface, small foot print, and familiar slit lamp style delivery design all contribute to fast and efficient clinical use and patient throughput.

## Specifications:

### iVue Scanner:

OCT Image: 26,000 A-scan/second  
Frame Rate: 256 to 1024 A-scan/Frame  
Depth Resolution (in tissue) : 5.0  $\mu\text{m}$   
Transverse Resolution: 15 $\mu\text{m}$  (retina)

### Scan Range:

Depth: 2 - 2.3mm (retina)

### Scan Beam Wavelength:

$\lambda=840\pm 10\text{nm}$

### Exposure Power at pupil:

750 $\mu\text{W}$

### OCT Fundus Image (En Face):

FOV: 21° (H) x 21° (V)

Minimum Pupil diameter: 2.5mm

### External Image (Live IR)

FOV: 13mm x 9mm

### Patient Interface:

Working Distance: 22mm / 15mm

Motorized Focus Range: -15D to +12D

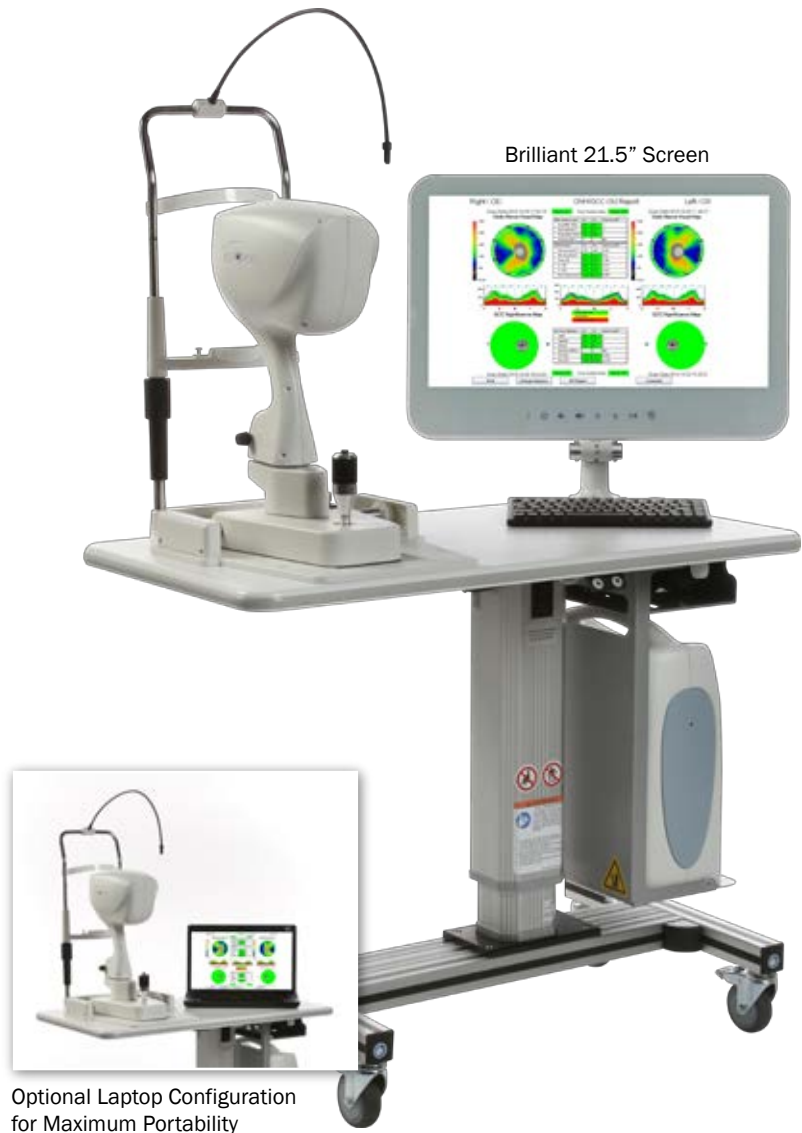
### Computer:

#### Option 1: All-In-One Computer

21.5" Display  
Windows 7®, i5 Intel® Processor  
4GB Memory  
500GB Storage

#### Option 2: Laptop PC

15.6" Display  
Windows 7®, i5 Intel® Processor  
4GB Memory  
500GB Storage



Optional Laptop Configuration  
for Maximum Portability

optovue

DEFINING THE OCT REVOLUTION