Defining the OCT Revolution

Simple    Portable    Powerful

Specifications:

iVue Scanner:
- OCT Image: 26,000 A-scan/second
- Frame Rate: 256 to 1024 A-scan/Frame
- Depth Resolution (in tissue): 5.0 µm
- Transverse Resolution: 15µm (retina)
- Scan Range:
  - Depth: 2 - 2.3mm (retina)
- Scan Beam Wavelength: λ=840±10nm
- Exposure Power at pupil: 750µW
- 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
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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.

Optovue, Incorporated  |  2800 Bayview drive, Fremont, CA 94538 USA  |  PH: +1 510.623.8868  |  FX: +1 510.623.8668

Features

- Enhanced 3D for volumetric visual assessment
- Brilliant 21.5" Screen
- Optional Laptop Configuration for Maximum Portability

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P/N 300-48733 Rev. B
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### 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

### Enhanced 3D for volumetric visual assessment

- 3D Optic Disc
- 3D Macula Scan
Cornea/Anterior Segment Features for non-contact Anterior Segment Assessment

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

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

Ganglion Cell Complex (GCC®) Upgrade

What you can detect now
RNFL change (detectable)

What you could be detecting with the GCC® Upgrade
Ganglion cell death and axon loss
RNFL change (undetectable)

- Ganglion Cell Complex (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.

- Ganglion Cell Complex Thinning

- STAGES OF GLAUCOMA
  - Normal
  - Ganglion cell death and axon loss
  - Acceleration of apoptosis
  - RNFL change (detectable)
  - RNFL change (undetectable)
  - SWAP VF changes
  - SAP VF change
  - VF change (moderate)
  - VF change (severe)
  - Blindness

The power of the GCC Upgrade can identify ganglion cell loss. GCC loss can precede RNFL loss based on The Glaucoma Continuum.*


GCC® Thickness Mapping

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No Apparent GCC Loss
Measurable GCC Loss
**Cornea/Anterior Segment Features**

**for non-contact Anterior Segment Assessment**

**iVue Versatility**

**expand your OCT World**

**iAngle Visualization and Measurement**

**Optional Rolling Case**

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for universal iVue positioning such as supine scanning

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Measurable GCC Loss

**GCC® Thickness Mapping**

**Ganglion Cell Complex Thinning**

**Fovea**

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

**Contact Lens Angle=28.02°**

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

**Full 6mm diameter Corneal Thickness Map**

**Cornea B-scan slice**

**CORNEA/ANTERIOR SEGMENT**

**Pachymetry Mapping**

Full 6mm diameter Corneal Thickness Map

Cornea B-scan slice

**Angle Measurement**

**OU Angle**

**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

**STAGES OF GLAUCOMA**


- Normal Blindness
- Acceleration of apoptosis
- Ganglion cell death and axon loss
- VF change (moderate)
- RNFL change (detectable)
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for non-contact Anterior Segment Assessment

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

Angle Visualization and Measurement

Contact Lens

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expand your OCT World

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Ganglion Cell Complex (GCC®) Upgrade

No Apparent GCC Loss Measurable GCC Loss

GCC® Thickness Mapping

Ganglion Cell Complex Thinning

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Full 6mm diameter Corneal Thickness Map

Retina Mapping with Normative Comparison

OPTIC DISC, RNFL & GCC® ASSESSMENT

6 x 6mm Retinal Thickness map
7 Line Hi-res Raster
250 micron separation

Retina Change Analysis

512 x 128 Cube
3D Macula
- Upgrade Available

RNFL, Optic Disc Metrics & GCC with Normative Comparison

Optic Nerve Head & Ganglion Cell Combination OU Report Change Analysis

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