iVue® 80

High-Speed 80kHz OCT + Fundus Camera Option
Introducing iVue®80

- **80,000 A-scans per second**
  3x faster than the original iVue OCT
  improved efficiency and enhanced image quality

- **Simplified scan acquisition**
  real-time en-face imaging displays a 12x9mm view of the retina during acquisition to assist operator in scanning the desired location

- **New reports and wider field of view**
  enhanced capabilities make iVue80 one of the best values in OCT technology today

- **High-resolution fundus and external photography**
  add iCam12 to iVue80 to bring additional return on your investment
Real-Time En Face
Real-time en face display provides a 12x9mm view of the retina during scan acquisition to assist the operator in scanning the desired location.

3D Retina Cube
7x7mm cube scan provides visualization of 201 raster lines to enable in-depth analysis of retinal structures.

Radial Line
Six 12mm radial lines provide multiple views of the retina.

Retina Map
Visualize a 9x5mm area of the retina with an ETDRS reference database comparison to quickly identify areas of increased or decreased thickness.
Glaucoma

3D Disc Cube
6x6mm cube scan provides visualization of 201 raster lines to enable in-depth analysis of optic disc structures.

Ganglion Cell Complex (GCC) Analysis
The GCC thickness map allows identification and measurement of ganglion cell loss in glaucoma and Optovue’s exclusive Focal Loss Volume metric (FLV%) is the single best predictor of conversion to glaucoma.¹

Nerve Fiber Layer Analysis
The nerve fiber thickness map allows visualization and quantification of RNFL thinning in glaucoma.

Comprehensive Reports
iVue80’s GCC and RNFL analysis reports include single eye and OU reports, change analysis for visit-to-visit comparison, trend analysis to assess change over time and combo reports that display both GCC and RNFL thickness profiles for comprehensive analysis.

Anterior Segment

Pachymetry and Epithelial Thickness Mapping
Visualize and quantify 6mm of epithelial, stromal and total corneal thickness to identify areas of thickening or thinning related to dry eye disease, keratoconus, or previous refractive surgery. The Change Analysis report measures changes in thickness between visits.

Vault Mapping
Visualize the fluid reservoir between the lens and cornea for precise scleral lens fitting.

Angle Scan
Assess angle structure with a quick, non-contact scan and quantify angle parameters with easy-to-use measurement tools.
Wellness

The OCT Wellness scan is an Optovue exclusive that uses quick, easy OCT scan to promote better overall patient eye health. Its utility stems from a single, comprehensive report that shows:

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

**OCT Wellness Benefits Patients**
The OCT Wellness program 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.

**OCT Wellness Benefits Eye Care Providers**
OCT Wellness 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 Wellness users have affirmed that the OCT Wellness scan improves patient involvement, loyalty and retention. This helps you grow and differentiate your eye care practice, while also providing a new revenue stream.
iCam 12
Non-Mydriatic Fundus Camera

- 45° color and red-free imaging
- 12-megapixel camera for high-fidelity color saturation
- Multi-visit view provides visit-to-visit comparison
- Three-color display offers varying perspectives of the fundus while the emboss feature creates a 3D-like view for new insights into retinal health
- Overlay feature to superimpose OCT images onto the fundus photo
- External color photography documents conditions of the ocular surface
iVue80 Specifications

### OCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scanner OCT Image</td>
<td>80,000 A-scan/second</td>
</tr>
<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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<tr>
<td>Scan Range Depth</td>
<td>2 - 2.3mm (retina)</td>
</tr>
<tr>
<td>Scan Beam Wavelength</td>
<td>840nm (+/-10nm)</td>
</tr>
<tr>
<td>OCT Fundus Image (En Face)</td>
<td>FOV 12mm(H) x 9mm(V)</td>
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<tr>
<td>Minimum Pupil Diameter</td>
<td>2.5mm</td>
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<tr>
<td>External Image (Live IR)</td>
<td>FOV 13mm x 9mm</td>
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<tr>
<td>Table Dimensions (in)</td>
<td>(W) 19.1 x (L) 34.4 x (H) 263-343</td>
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### NETWORKING SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Operating System</td>
<td>Windows 7, 8 and 10; 64-bit OS compatible</td>
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<tr>
<td>Processor Speed</td>
<td>3.0 GHz; Intel Quad Core (desktop); Core 2 (laptop)</td>
</tr>
<tr>
<td>Network Bandwidth</td>
<td>1 Gbps or higher</td>
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<tr>
<td>Computer RAM</td>
<td>4 GB or higher</td>
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<tr>
<td>Monitor Resolution</td>
<td>1920 x 1080 at 32-bit</td>
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### About Optovue

**First and Foremost in the Advancement of OCT Technology**

From the first SD-OCT image generated to our transformative OCTA technology, Optovue technologies provide clinicians with information so new, they demand a different approach to treatment decision algorithms. Optovue’s long history of “firsts” demonstrates that innovation is the backbone of our scientific heritage. We committed to furthering OCT image quality, efficiency and clinical applications.

**Over 10,000 Systems in 10 Years**

Since our founding 10 years ago, we have installed 15,000 systems around the globe. Headquartered in Fremont, Calif., we employ a passionate and talented team dedicated to the development, manufacture and sale of OCT and OCTA systems.

Find your local Optovue distributor at optovue.com/contact

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