Introducing ANGIOVUE ESSENTIAL
Built on the Avanti Widefield OCT Platform

OCT Angiography for Primary Eye Care
Transform Your View of the Retina

OCT Angiography (OCTA) is a quick non-invasive test that lets you see retinal vessels without referring patients out of the practice.

Ease into OCT Angiography

AngioVue Essential makes OCTA easy to use and interpret with a single-page report displaying individual layers of retinal vasculature alongside structural OCT B-scans.

Gain peace of mind in high risk cases, expand your ability to manage patients with ocular disease and make better-informed referral and management decisions.

Diabetic Retinopathy

Images courtesy of Dan Esmaili, MD
Observe Early Vascular Changes in Diabetic Eyes

Visualize Neovascularization Associated with Pigment Epithelial Detachments

Confirm Presence or Absence of CNV in AMD

Diabetic and AMD images courtesy of Kent Small, MD. PED images courtesy of Julie Rodman, OD, FAAO.
Advanced Structural Imaging

Retina

Widefield and Enhanced HD Line Scans and the Widefield En Face Quad Image provide stunning views of the retina, vitreous and choroid to give you deeper insights into retinal and choroidal diseases.

12mm Widefield Scan
Image courtesy of Adil El Maftouhi, OD

Enhanced HD Line Scan
Image courtesy of Adil El Maftouhi, OD

9x12mm Widefield En Face Quad-Image
Advanced Structural Imaging (continued)

**Glaucoma**
Change the way you see your glaucoma patients with Avanti’s trend analysis software that tracks change in GCC and RNFL thickness while also providing the GCC focal loss volume (FLV) metric that is the single best predictor of conversion to glaucoma.


Cornea line scan image courtesy of Jeff Sonsino, OD, FAAO. Pachymetry map image courtesy of Barry Elden, OD, FAAO.

**Anterior Segment**
Visualize and quantify anterior segment structures to aid in disease diagnosis, assess patients considering refractive surgery, and manage post-surgical patients.

**Wellness Solutions**
Optovue’s industry-leading wellness solution is now available on the AngioVue Essential system.

- Aids in diagnosis of ocular disease
- Differentiates your practice and motivates patients to return for annual exam
- Creates a new revenue stream
## Built on the Avanti Widefield OCT Platform

- High-speed scanning and accelerated data processing increase efficiency
- DualTrac™ Motion Correction Technology improves image quality and makes scan acquisition easier
- Optovue’s data transfer solutions let you maintain existing patient data

## Specifications

### Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>OCT scanning speed</td>
<td>70,000 A-scans per second</td>
</tr>
<tr>
<td>Optical axial resolution</td>
<td>~5 microns (digital pixel sampling = 3 μm)</td>
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<tr>
<td>Optical transverse resolution</td>
<td>~15 microns</td>
</tr>
<tr>
<td>OCT axial imaging depth</td>
<td>2 to 3 mm (dependent on scan protocol)</td>
</tr>
<tr>
<td>AngioVueHD imaging volume 6x6 mm</td>
<td>400 x 400 A-lines (2 repeats / B-scan)</td>
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<tr>
<td>Acquisition time per imaging volume</td>
<td>(209K / 70K) ~3 seconds</td>
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### Recommended 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>
</tr>
<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>
</tr>
<tr>
<td>Computer RAM</td>
<td>4 GB or higher</td>
</tr>
<tr>
<td>Monitor Resolution</td>
<td>1920 x 1080 at 32-bit color</td>
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