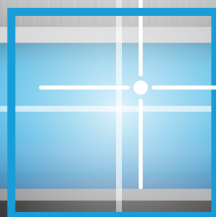




RTVUE PREMIER™



Real-Time Active Eye-Tracking OCT

A circular medical scan, likely an OCT or similar imaging technique, showing a cross-section of a vessel. The vessel lumen is at the top, and the vessel wall is at the bottom. A large, semi-circular blue area covers the central part of the vessel, obscuring the underlying tissue details. The text "From front to back, we've got you covered." is overlaid on this blue area.

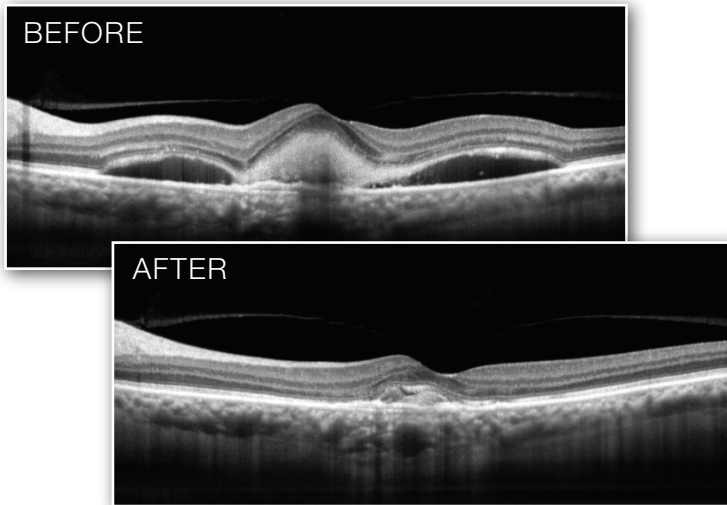
From front to back,
we've got you covered.

Montage of scans captured by RTVue Premier.

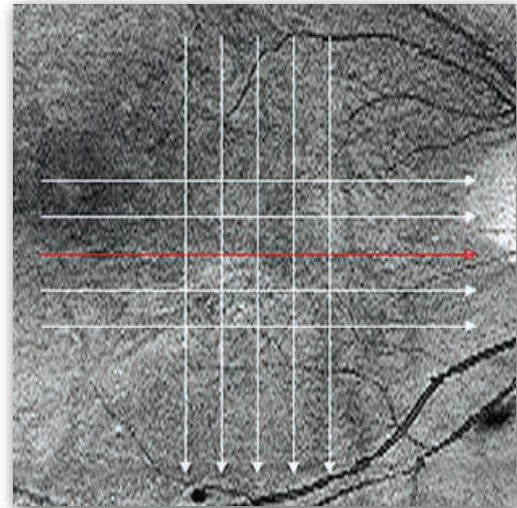
Retina

for documentation and monitoring of ocular disease

Compare Hi-Res B-scans for Change



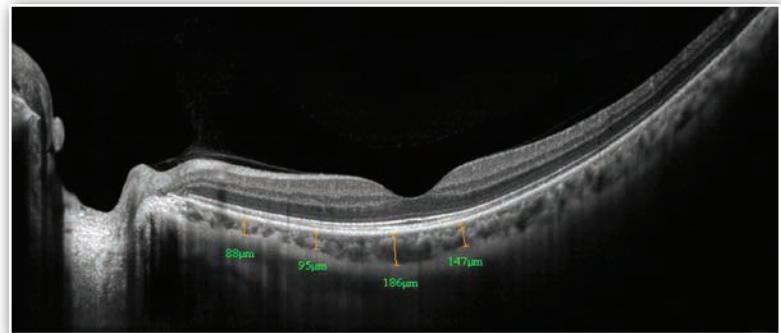
Reference fundus image



Retina Tracking

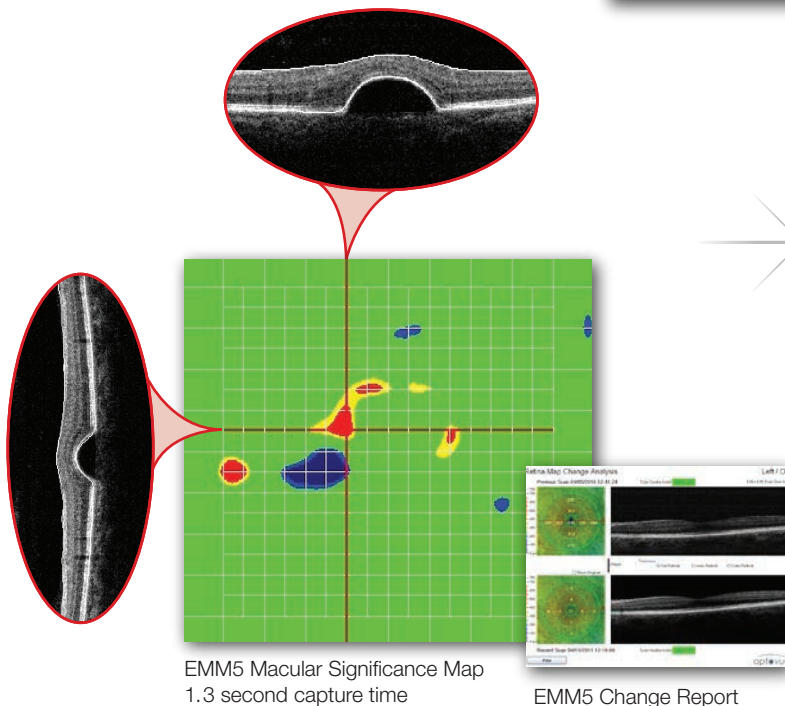
RTVue Premier gives you the detail and clarity you need to assess the structure of the retina, monitor your patients and track disease progression.

Tracked B-scan with Deep Choroidal Imaging & Measurement (DCI™)



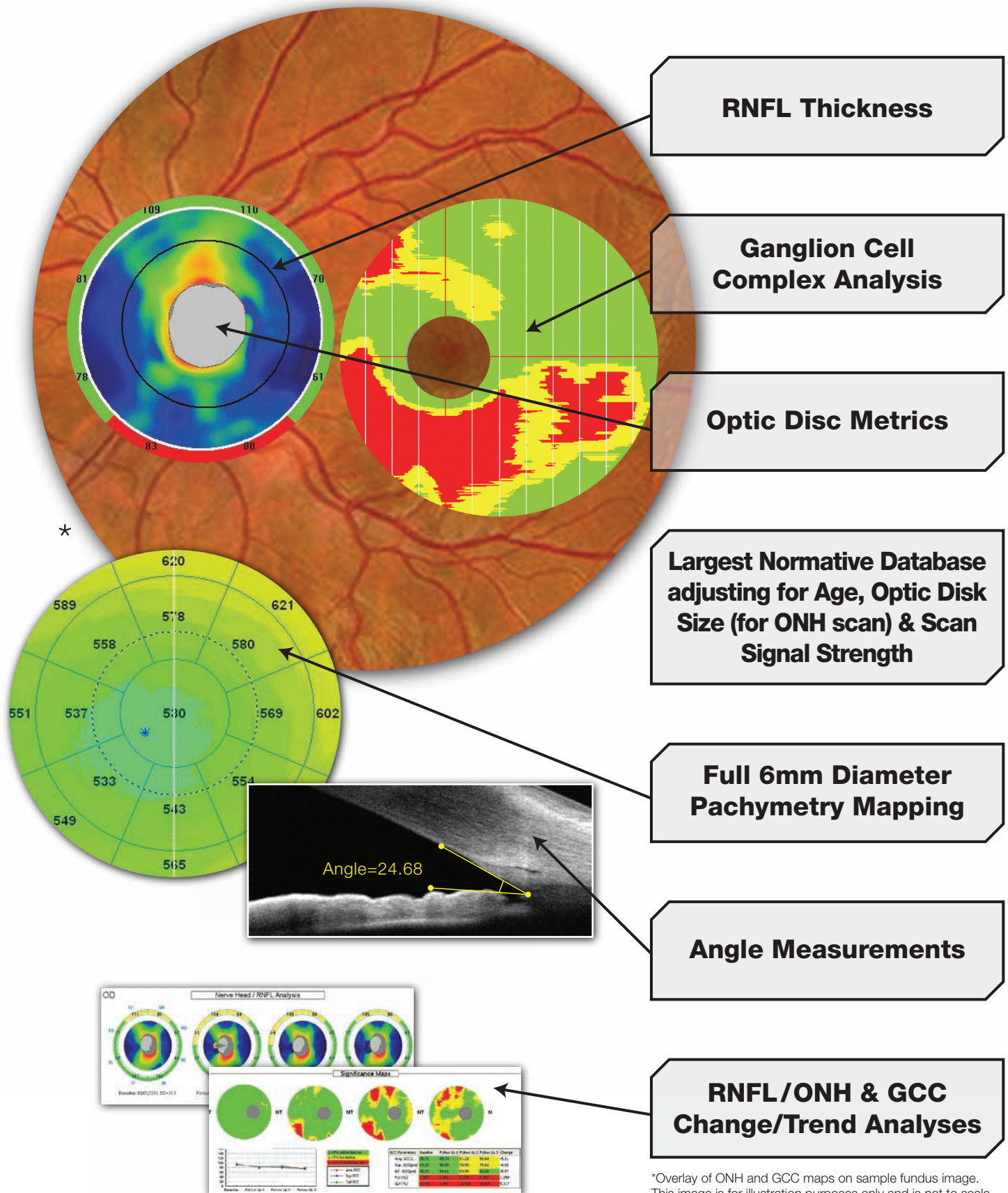
Intelligent Macular Mapping

- Full Retina Thickness comparison to the Normative Database
- Visualize small structural changes
- Click on location to present vertical and horizontal B-scans
- Select Full, Inner, Outer and RPE layer mapping
- Change Analysis to monitor retina based ocular disease
- Volumetric Analysis



Nerve Fiber Layer & Ganglion Cell Complex

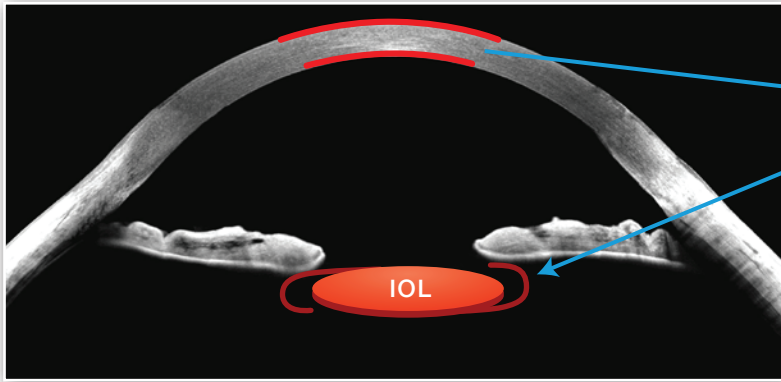
for measurement and monitoring of change



*Overlay of ONH and GCC maps on sample fundus image. This image is for illustration purposes only and is not to scale.

Cornea / Anterior Segment

for non-contact Anterior Segment Assessment

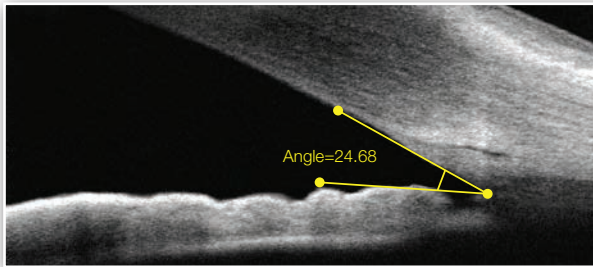


TCP™: Total Cornea Power enhances post-refractive IOL calculations for greater confidence in surgical outcomes.

TCP™ : Total Cornea Power

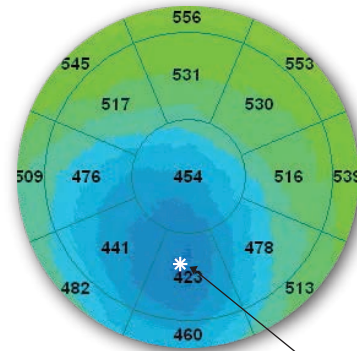
The Cornea Power Upgrade allows evaluation of patients with prior refractive procedures. Standard topography only calculates the front curvature and then extrapolates posterior curvature. Using the Cornea Power Upgrade, both the anterior and posterior curvatures are measured directly to obtain cornea powers.

Angles

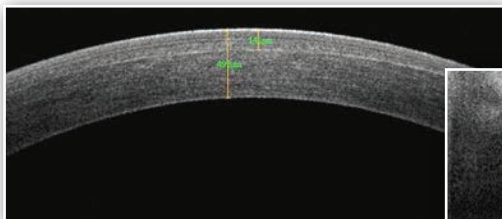


Angle Visualization and Measurement

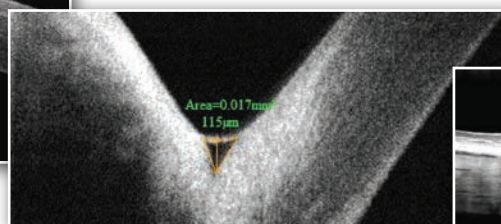
Pachymetry



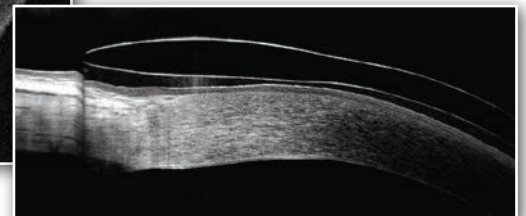
Pachymetry - Full 6mm diameter corneal thickness mapping with minimum thickness indicator



Post refractive measurement



Tear Film Analysis



Contact Lens Imaging

RTVUE PREMIER™



SPECIFICATIONS

RTVue 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: 8 μm (nominal)

Scan Range:

Depth: 2 - 2.3mm (retina)

Scan Beam Wavelength:

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

Exposure Power at pupil:

750 μW

OCT Fundus Image (En Face):

FOV: 32°(H) x 22°(V)

Minimum Pupil diameter: 2.5mm

External Image (Live IR)

FOV: 13mm x 9mm

Patient Interface:

Working Distance: 22mm

Motorized Focus Range: -15D to +20D

Computer:

CPU: 2.66 GHz Quad-Core Processor

RAM: 4GB

Hard Disk: 1 TB

Back Up Hard Disk: 1 TB

OPTOVUE INNOVATIONS

Cataract Surgeon ▶ Total Cornea Power (TCP™)

Glaucoma Specialist ▶ The Original Ganglion Cell Complex (GCC®) Analysis

Retina Specialist ▶ Deep Choroidal Imaging & Measurement (DCI™)



DEFINING THE OCT REVOLUTION

OPTOVUE, INCORPORATED | 2800 BAYVIEW DRIVE, FREMONT, CA 94538 USA | PH: +1 510.623.8868 | FX: +1 510.623.8668
OPTOVUE, EUROPE GMBH | GERHART-HAUPTMANN-STR. 38, 69221 DOSENHEIM, GERMANY | PH: +49 6221 5860 661 | FX: +49 6221 5860 664