SCANMATE A

DGH 6000
A unique ultra-portable A-Scan

DGH TECHNOLOGY, INC.
THE ULTRASOUND SPECIALIST

A unique ultra-portable A-Scan

The innovative **DGH 6000 A-Scan** offers clinicians an unmatched level of usability and accuracy. Unique measurement guidance features assist in achieving optimal measurement values. These features allow the user to focus on application technique while the device's software performs real-time waveform analysis and provides immediate feedback to the user.

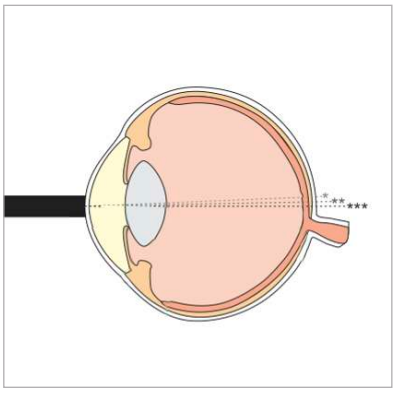
The DGH Software supports multiple IOL formulas, including post-refractive formulas. A-Scan measurements can be taken via direct corneal contact or via water immersion method (Prager Shell® included).

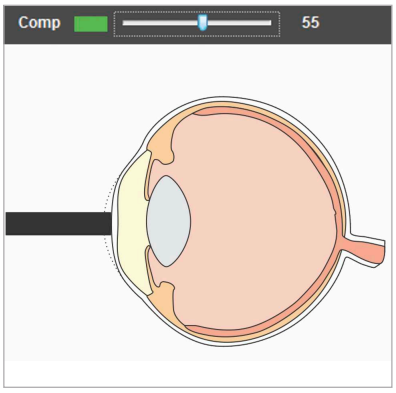
Innovative in more ways than one

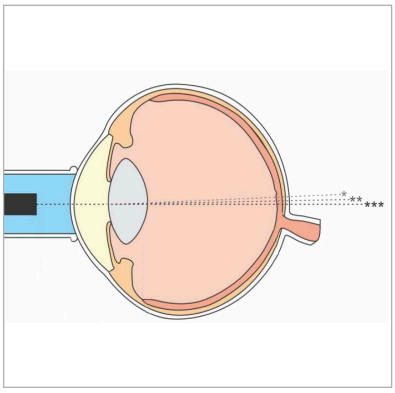
A unique grading algorithm automatically ranks the probe's alignment along the axis of measurement. Alignment ranking is immediate, with each qualified measurement assigned a 1-star, 2-star or 3-star rank (3-star representing optimum waveform). Aided by the audible feedback, the user can adjust the probe's contact angle during a procedure, correcting misalignments and thereby optimizing measurement.

Unique compression lockout feature for use during contact measurements. When enabled, compression lockout will stop the system from measuring waveforms which show indications of corneal compression. Audible tones are provided to guide the user in adjusting contact pressure and aid in alleviating flattening of the cornea. The compression sensitivity level is adjustable to aid in obtaining contact measurements with minimum compression.

The DGH 6000 A-Scan can operate in either contact or immersion mode. Immersion mode eliminates corneal compression by allowing measurements in a water bath. The probe releases ultrasonic pulses into water (rather than directly to the eye). The pulses propagate through the water and into the tissue. This method of measurement eliminates potential deformation of the cornea's geometry caused by direct contact from a probe.





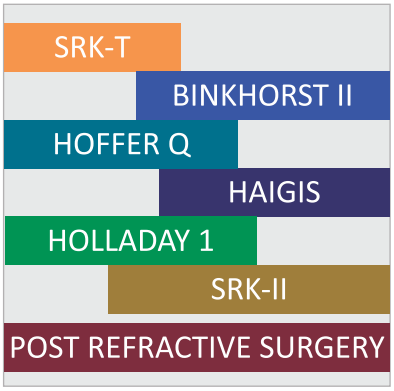


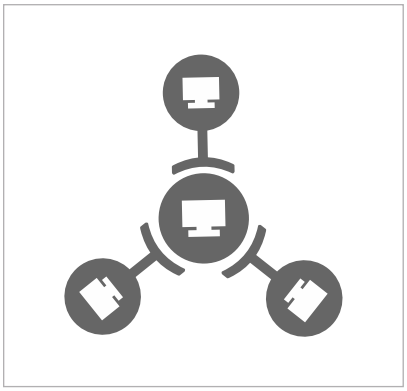
Innovative in more ways than one

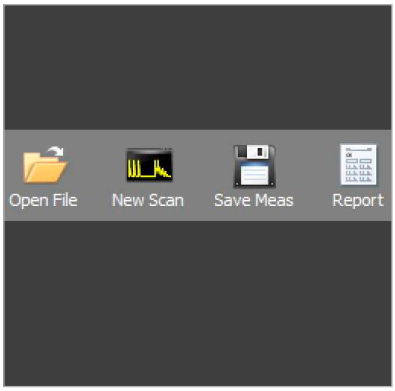
The Scanmate software performs IOL calculations using modern predictive models, allowing the clinician to explore various treatment plans simultaneously.

The Scanmate software is offered as an unrestricted license, meaning it can be installed on multiple workstations to operate independently or as a networked system. Patient records are stored in a database that is easily searchable and can be backed-up using an in-program backup tool.

The Scanmate software offers a variety of report templates that summarize critical information. All reports are print and PDF-export ready. IOL Reports present comparative calculations for the selected lenses. Axial Length Progression Reports chart axial length changes over time.





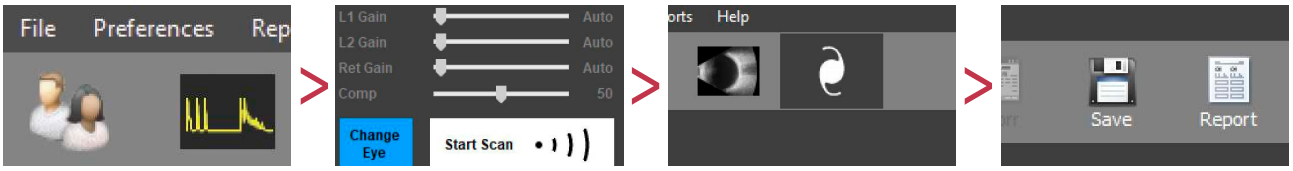


Total Software Solution

The Scanmate Software combines the most advanced ultrasound technology available with the processing power, data storage and connectivity advantages of a personal computer. The DGH A-Scan software is capable of delivering customized Axial Length progression reports for your myopia management patients. Patient records are fully searchable and can be exported in a format that is compatible with EMR/EHR systems. The Scanmate software is designed to work on a Windows® computer. The DGH 6000 Scanmate A plugs into the USB 2.0 port of a Windows® computer that you may already have in your office or clinic*.

*See specifications page for minimum computer requirements.

The Software was designed to accomplish an examination in 4 simple steps



1. Patient Data:
Populate the necessary fields and you're ready to acquire measurements.

2. Acquire Measurements:
Click on A-Scan modality icon, and start acquiring A-Scan data aided with audible feedback.

3. IOL Calculations:
Click on the IOL icon, enter required data and software will perform calculation.

4. Reporting:
The Scanmate Software offers a variety of report templates that summarize critical information and are print and .pdf ready.

DGH Ultrasound Family

FLEX A/B/UBM

Pachmate 2

Pachette 4

DGH 8000

DGH 6000

Specifications

DGH 6000 Scanmate A Specifications	
A-Scan Probe Type	**Internal, fixed single-element transducer.**
A-Scan Mode of Measurement	**Contact or Immersion (using Prager Shell® immersion shell)**
Transducer Frequency	**10 MHz**
Axial Length Measurement Range	15.00 mm – 40.00 mm
ACD Measurement Range	2.00 mm – 6.00 mm
Lens Thickness Measurement Range	2.00 mm – 7.50 mm
Resolution	0.01 mm
Repeatability	± 0.03 mm STDEV (Immersion)
IOL Formulas	SRK II, Binkhorst, SRK/T, Holladay 1, Hoffer Q, Haigis
IOL Formulas (Post Refractive)	Double K (SRK/T), History Derived, Clinically Derived (Shammas), Refraction Derived, Contact Lens Over-Refraction
Eye Types	Aphakic, Normal, Cataract, Dense Cataract, Pseudophakic (Silicone/PMMA, Acrylic), Normal / Silicone Oil Vitreous
Unit Dimensions	
Dimensions	5.73” (145.54 mm) L X 3.45” (87.63 mm) W X 1.50” (38.1)mm H
Weight	2 lbs (Complete Kit), <1 lbs (Unit Only)
Probe Dimensions	2.75” (69.85 mm) Long X 0.25” (6.35 mm) Diameter
Connection Type	USB (Micro USB to USB 2.0 or higher)
Software Features	
Measurements Features	Audible Feedback for Probe Alignment, Corneal Compression detection, fully configurable velocities, save video and individual A-Scan measurements, Automatic and Manual measurements modes
Report Features	Single Page IOL Calculations report, A-Scan measurement review page, Customizable Report Options, Print to Local or Network Printer, Axial Length Progression Report (Myopia Management), export as .pdf.
Software Application Requirements	
Hardware Requirements	Intel i3 or higher, 4GB RAM or higher, 128 GB SSD/HDD or higher 2 x 2.0 USB, 1024 x 768 display resolution or higher
Operating System Requirements	Windows 8 or higher (32 or 64 bit), MS server 2008 R2 (64 bit), MS Server 2012 / 2012 R2 (64 bit), MS Server 2016 (64 bit)

DGH Technology, Inc. is globally recognized as a leader in developing and manufacturing ultrasound diagnostic equipment, and we have been serving eye care professionals since 1982. We are a multigenerational family company and we have operated with the same core values and integrity since our inception.

DGH has made building trust a priority by offering reliable products and strong customer support. We value our customers and use their feedback to develop innovative products that fit their needs. Eye care professionals across the world receive the same personalized and full-service experience.

DGH has maintained our worldwide reputation by continuing to introduce innovative products that anticipate the future needs of eye care professionals, while maintaining the quality and reliability of our already existing products. Since 1982, we have shipped over 40,000 products worldwide.

Find out more about us on dghtechnology.com

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