SCANMATE B

DGH 8000
An Ultra-Portable B-Scan

Manufactured in USA for
DGH
TECHNOLOGY INC.
Exton, PA

DGH TECHNOLOGY, INC.
THE ULTRASOUND SPECIALIST
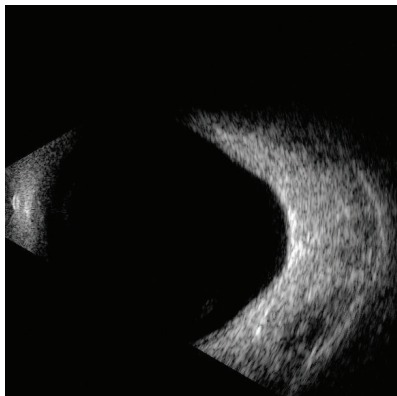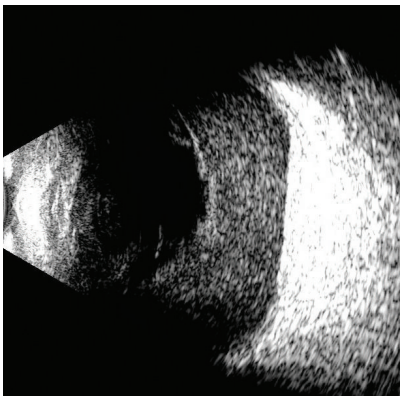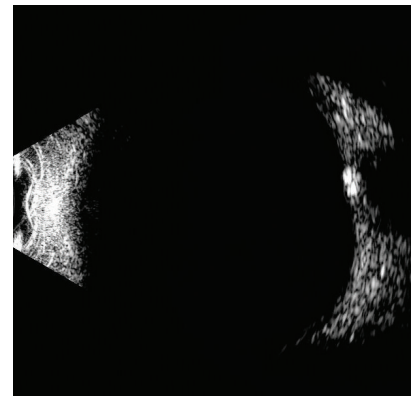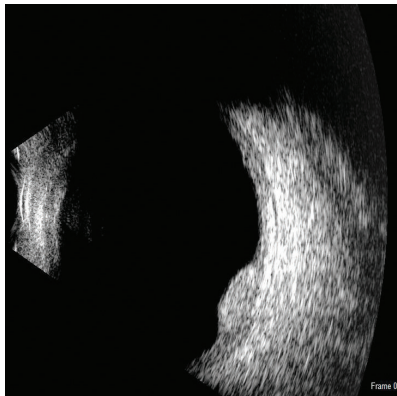
The Ultra-Portable B-Scan

The **DGH 8000 B-Scan** combines the most advanced ultrasound technology available with the processing power, data storage and connectivity advantages of a personal computer. The DGH 8000 is equipped with dual 12.5 MHz and 15 MHz frequencies in the same probe, which results in a unique depth selection range from 3 cm and 6 cm in 12.5 MHz mode and 5 cm and 10 cm in 15 MHz mode.

It is a self-contained portable imaging system that interfaces with a Windows® computer via a USB 2.0 port. High resolution video loops and still images are obtained rapidly, and post processing features include playback, gain adjustment, contrast and image intensity variation, distortion-free zoom, distance, angle and area measurement and annotation tools. Patient data can be stored on a local computer or on a centralized network location where it can be accessed by multiple users. Patient records are fully searchable and can be exported in a format that is compatible with EMR/EHR systems.

B-Scan Clinical Indications and Use

The DGH 8000 B-Scan delivers clear images for the posterior portion, even when optical clarity is compromised:

- Retinal Detachments
- Vitreous Detachments
- Vitreous Humor Pathologies
- Staphylomas
- Posterior Segment Pathologies
- Choroidal Pathologies
- Optic Nerve Pathologies
- Scleral Thickening
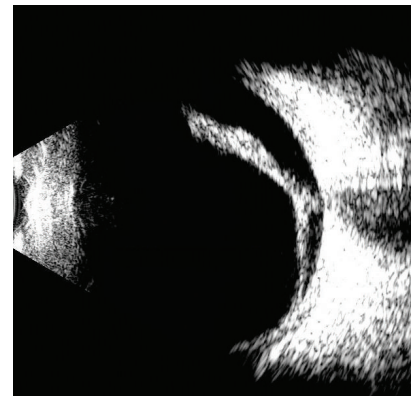
DGH Scanmate Software

The DGH 8000 is paired with our most advanced software ever, the DGH Scanmate v4.x.

Software Features:

- Clock Map for Probe Position Annotation
- A-Mode Overlay
- Area, Angle and Distance Measurement Tool
- Easy Export *.JPG or *.AVI files for captured images and videos
- Export PDF reports for seamless EMR/EHR integration

- Quick Live Search for previous patients
- Near, Mid and Far Gain controls
- Adjustable Pulse Power
- Text Annotation Tool
- Continuous Video Loop (16-256 Frames)
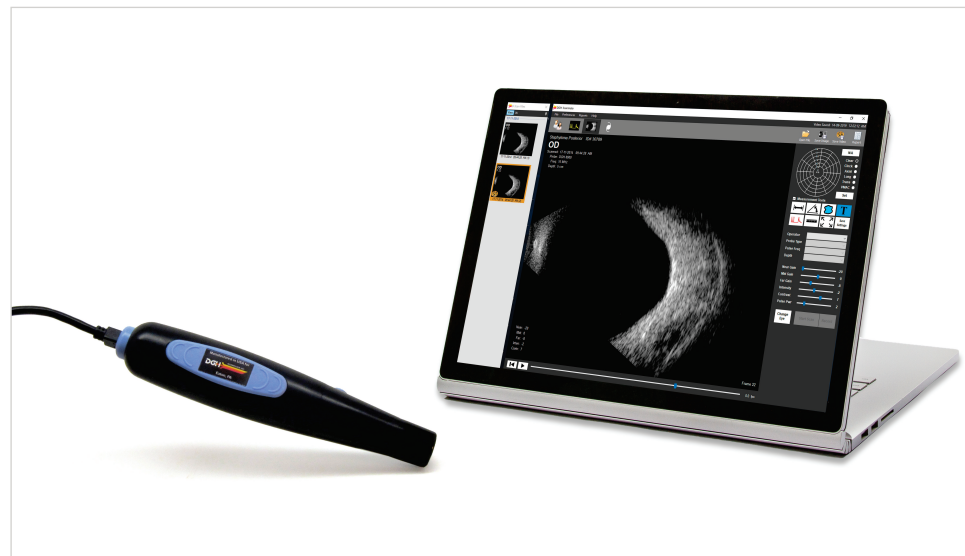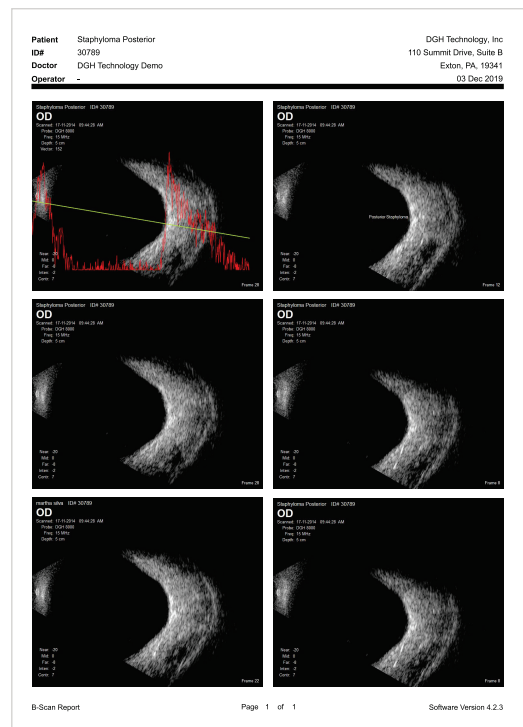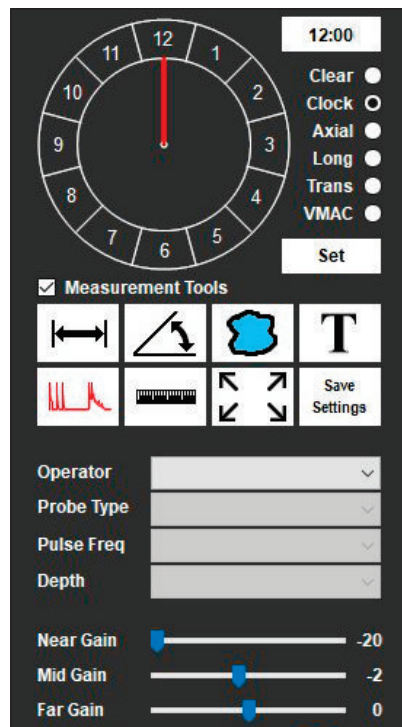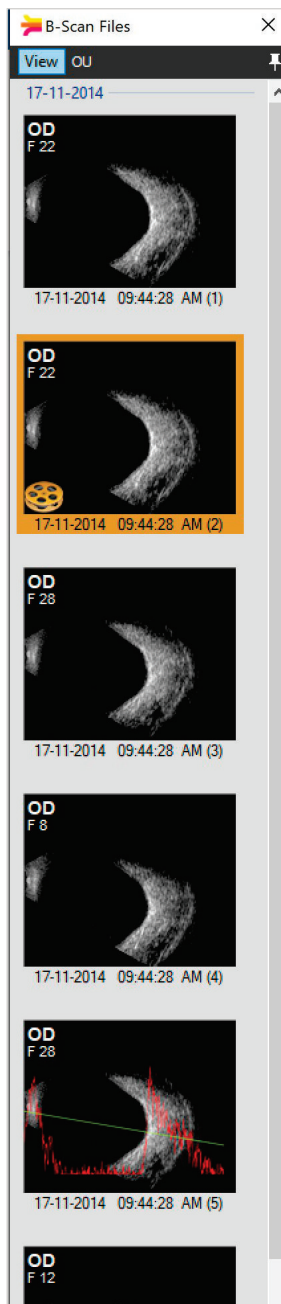
Total Software Solution

The Scanmate Software combines the most advanced ultrasound technology available with the processing power, data storage and connectivity advantages of a personal computer. Patient data can be stored on a local computer, or in a centralized network where it can be accessed by multiple users. 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 8000 Scanmate B 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

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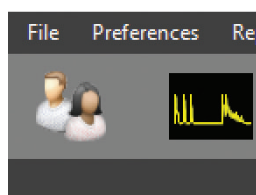
1. Patient Data:
Populate the necessary fields and you're ready to acquire images.
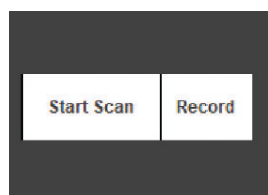
2. Acquire Images:
Click on desired modality icon, and start acquiring images and data.

3. Image Quantification and Processing:
The software offers tools to measure distance, area, and angles, and an annotation tool for notating images. Images can be enhanced by adjusting intensity, contrast, and gains (near, mid, and far).
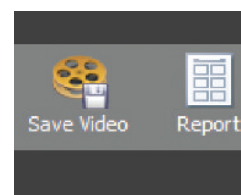
4. Reporting:
The Scanmate Software offers a variety of report templates that summarize critical information and are print and .PDF ready.

DGH Ultrasound Family

FLEX A/B/UBM   **Pachmate 2**   **Pachette 4**   **DGH 8000**   **DGH 6000**

Specifications

DGH 8000 Scanmate B Specifications	
B-Scan Probe Type	**Single USB powered Probe**
Transducer Frequency	**12 MHz and 15 MHz**
Depth Selection	3 cm, 6 cm (12 MHz) and 5 cm, 10 cm (15 MHz)
Sector Scan Angle	60°
Electronic Resolution	0.015 mm
Clinical Resolution	0.100 mm
Unit Dimensions	
Dimensions (Probe)	6.70" (170.1 mm) L x 1.15" (29.21 mm) D
Dimensions (Probe Holder)	7.20" (182.88 mm) x 3.45" (87.83 mm) W x 3.00" (76.20 mm) H
Weight	2 lbs (Complete Kit), , 1lbs (Unit Only)
Connection Type	USB (USB 2.0 or higher)
Software Features	

- Position Map Tool for Annotation of Probe Orientation
- A-Mode Overlay Displays the Amplitude of Reflectivity for the Selected Vector
- Measurement Tool for Area, Distance and Angle
- Near, Mid and Far Gain Controls as well as Image Intensity and Contrast
- Text Annotation Tool
- Adjustable Video Loop (16-256 Frames)
- Select One (1) Large Image or up to Six (6) Small Images per Report Page

Record Management

- Quick Search for Patient by Last Name, First Name or ID
- .JPG image Export
- .AVI Video Export
- .PDF Reports Export
- EMR/EHR Compatible

Software Application Requirements

Hardware Requirements	Intel i5 or higher, 8GB 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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