

NEW The DGH Scanmate Flex

*Flexible,
so you don't have to be.*



DESK



CART



WALL



TECHNOLOGY, INC.
DGH
THE ULTRASOUND SPECIALIST

The **NEW** Scanmate Flex provides any desired combination of A-scan, B-scan, and UBM. Its hallmark is flexibility. Our design for this product reflects many discussions with eye care professionals about the needs, constraints, and objectives of their practices; and we think we've come up with a product that will be easily integrated into virtually any office or clinical setting.

The Scanmate Flex can be placed on a desk, mounted on the wall, or moved around on a cart. The internal rechargeable battery means that the Flex can be used for hours without being plugged into an outlet—perfect if you need an ultrasound unit for use in several examining rooms.

Whatever mounting configuration you choose, the Scanmate Flex plugs right into the USB port of the Windows computers you already have. The software to control the Flex is included and can be loaded onto as many computers as you wish. If you have a local network, you can use one machine as a server and store all the patient records there, or they can be stored locally on the machine that is used for the examination.

MULTIPLE MOUNTING OPTIONS



DESKTOP

The Scanmate Flex is compact and fits easily onto a desk or counter in your examining room. The probe holder can be set at whatever angle is convenient, and can be lowered to a horizontal position for compact transport in the protective case (included).



CART MOUNT

You can mount the Scanmate Flex on a cart and wheel it from room to room. The internal rechargeable battery of the Scanmate Flex means that it can run for hours before it needs to be plugged in again.



WALL MOUNT

If space is at a premium in your examining room, the wall mount option is the perfect choice. No desk space is required, and there is no need for a separate computer—the Windows computer you already have is used to control the unit and display the images and waveforms.

MULTIPLE PROBE OPTIONS

You can choose any or all of the three ultrasound probe types that work with the Scanmate Flex.

A-SCAN PROBE



This is the tried-and-true ultrasound biometer for measuring the axial length and the distance between structures along the eye's axis. The Scanmate Flex supports DGH's unique 3-star system for defining A-scan measurement quality, which means that you never have to go back through data, discarding bad measurements. The automatic gain control gives you optimal waveforms, and the Scanmate software supports multiple IOL formulas, including post-refractive. A-scan measurements can be made via direct corneal contact, or (using the immersion shell included with the Scanmate Flex) via water immersion.

B-SCAN PROBE

This redesigned probe, new with the Flex, provides the best image quality and reliability available in a B-scan. The Scanmate Flex B-scan provides class-leading images of the retina, even through opacities such as dense cataracts and blood that optical tools can't penetrate. Among the on-screen tools are a caliper that lets you measure structures, an angle measurement tool, an area measurement tool, and an annotation tool that gives you a way to indicate pathologies.



UBM PROBE



The UBM probe provides imagery of the anterior segment of the eye, including features behind the iris that optical devices can't see. This is particularly useful in diagnosing plateau iris and other pathologies hidden by the iris. Typical applications for the UBM include sulcus-to-sulcus measurement, angle of closure, and anterior chamber pathologies. The Scanmate software provides the same annotation features for the UBM as for the B-scan. A water-filled single-use Clearscan probe cover is the only component that touches the eye.

FLEXIBLE OPTIONS

- The Scanmate Flex comes with a footswitch that can be used to start and stop scans.
- If you connect the Scanmate Flex to a Windows computer with a touch screen, you can use touch (instead of mouse clicks) for many functions.
- To free up the doctor's hands, the Scanmate Flex also supports voice control of scanning, zooming, and saving files.
- The Scanmate Flex comes in a protective padded carrying case. It can even be used without being removed from the case — great for a doctor visiting a clinic or making hospital rounds.
- If you are interested in a cart or a tablet to use with the Scanmate Flex, and you don't already have a suitable one, talk to us about these options.

CLEARSCAN UBM PROBE COVERS

These sterile single-use water-filled membranes are used with the UBM probe. You will receive a starter box of Clearscan probe covers when you purchase the UBM probe.

Basic Specifications

Minimum Computer Specifications: Microsoft Windows 7, 8, 8.1, or 10; 1024 x 768 pixel display; 2 GB RAM; 1 GB hard drive (100 GB recommended); USB port for Scanmate Flex; USB port for footswitch; mouse or touchpad; medical grade power supply.

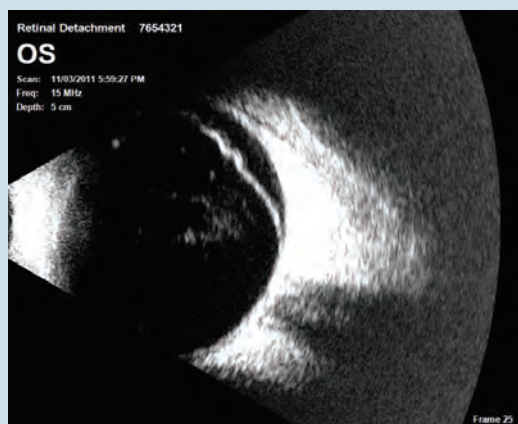
A-scan Specifications: 10 MHz transducer (nominal), IOL formulas: SRK/T, Binkhorst II, SRK II, Holladay I, Haigis, Hoffer Q.

B-scan Specifications: 12.5 MHz or 20 MHz transducer; focus, 21mm \pm 2mm.

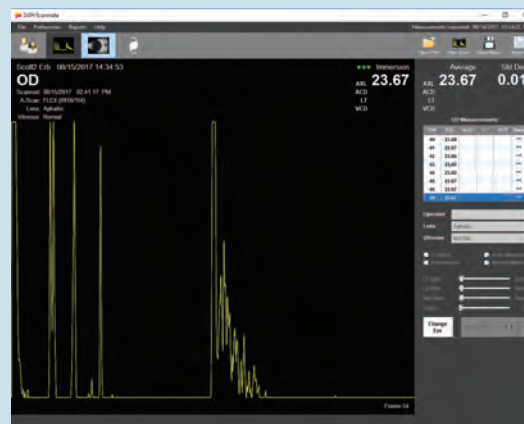
	12.5 MHz Transducer	20 MHz Transducer
Depth of Field	14mm-37mm	15mm-35mm
Axial Resolution	<0.35 μ s	<0.13 μ s

UBM Specifications: 35 MHz or 50 MHz transducer, focal point: 13mm (nominal), depth of field: 11.5-14mm.

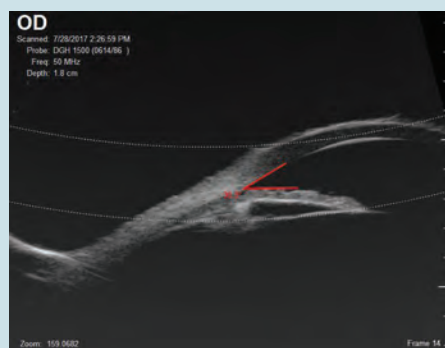
	35 MHz Transducer	50 MHz Transducer
Axial Resolution	65 μ m (nominal)	50 μ m (nominal)



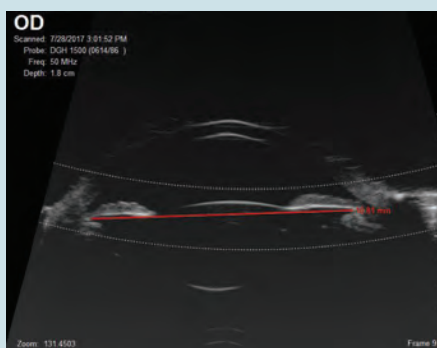
Scanmate Flex B-scan, showing a retinal detachment. A B-scan is an essential tool when opacities, such as blood or dense cataracts, block light-based imaging approaches.



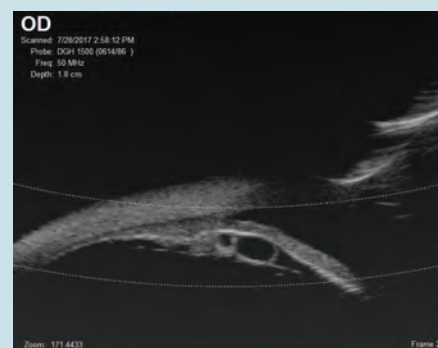
Scanmate Flex A-scan, showing the Flex user interface. The basic interface is the same for all three probe types.



Use of Scanmate Flex UBM probe for angle measurement.



Measuring sulcus-to-sulcus distance with Scanmate Flex UBM probe.



Visualizing ciliary cysts with the Scanmate Flex UBM probe.