

DGH Scanmate *FLEX*



Portable A-Scan, B-Scan, and UBM
in one powerful, seamless system

Total Imaging Solution

The Scanmate Flex enables clinicians to capture clear and precise images and videos, regardless of anatomical structures or pathologies that hinder conventional optical technologies.

The Flex UBM is indispensable when imaging the anterior segment. High-resolution UBM images provide a superior degree of freedom, with the ability to observe structures concealed by the iris or corneal opacities.

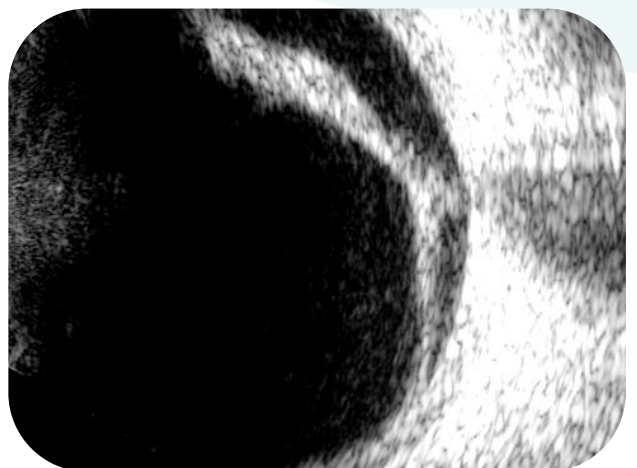
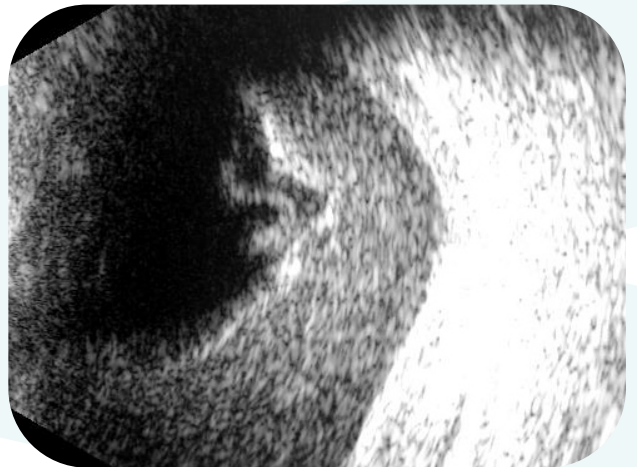
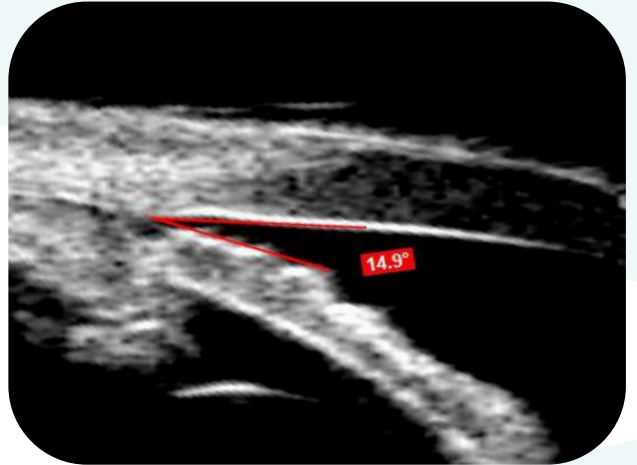
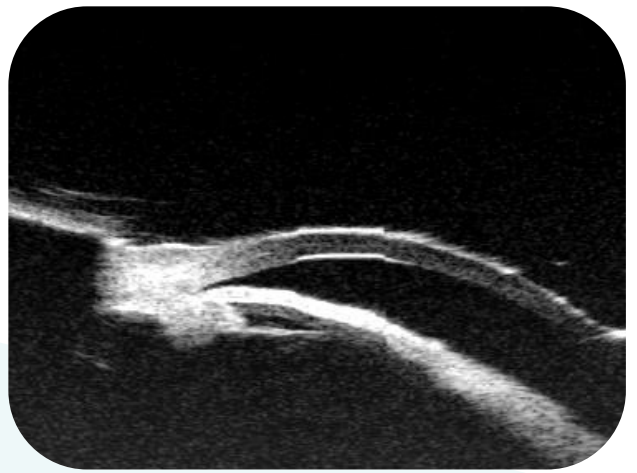
The potential of UBM imaging is already being utilized in procedures such as:

- Anterior chamber angle evaluation
- Post-LASIK cornea evaluation
- IOL position monitoring
- Pre-operative ICL evaluation
- Diagnosis of pathologies such as ciliary cysts
- Glaucoma Post Surgery Evaluation

The Flex B-Scan delivers clear imaging of the posterior portion, even when optical clarity is compromised.

B-Scan imaging has become an essential tool in the diagnosis of:

- Retinal detachments
- Vitreous detachments
- Retinal / Vitreous humor anomalies
- Staphylomas
- Posterior segment pathologies



Total Biometry Solution

The Scanmate Flex provides an unmatched level of usability and transparency to A-Scan biometry procedures.

The Scanmate software performs real-time detection and measurement grading using a unique 3-star ranking to ensure optimal axial alignment. DGH's compression lockout algorithm blocks pseudo measurements due to corneal compression. These unique features allow the user to focus on application technique while determining placement.

The Manual Mode allows frame-by-frame review, gain control and precise marker placement for expert evaluation.

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

Intuitive Software

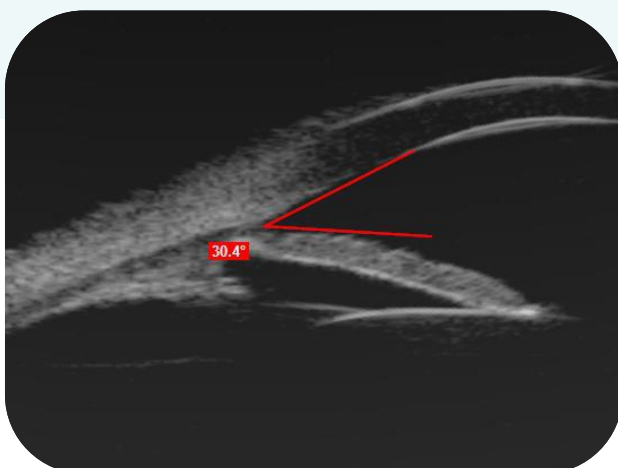
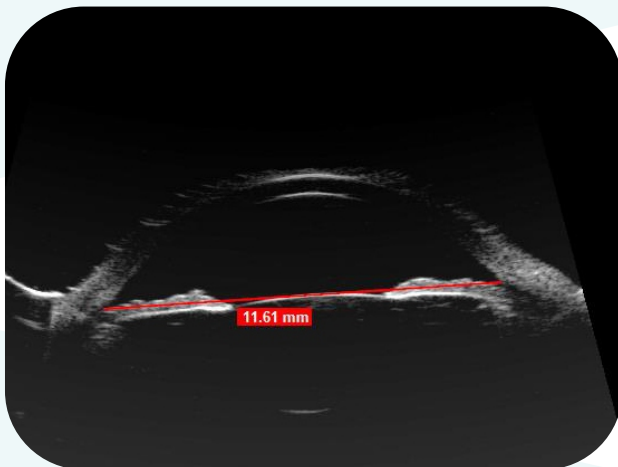
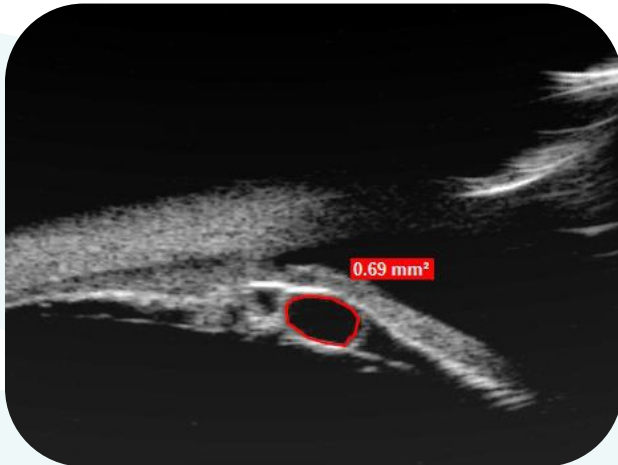
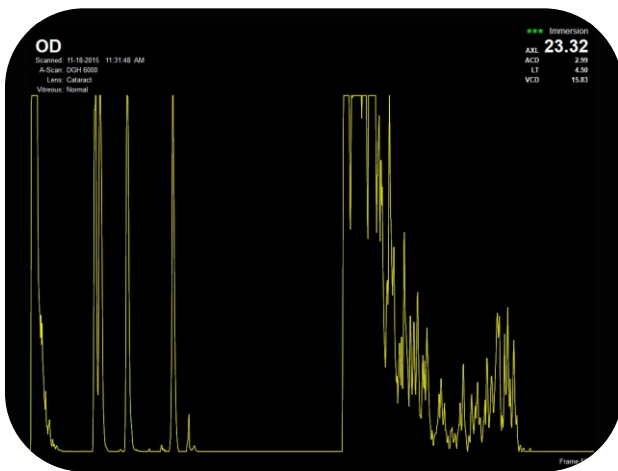
Videos and images captured during UBM and B-Scan procedures can be annotated and saved to the Scanmate database or exported as standard image and video file formats.

The Scanmate software has accurate measurement tools which can measure angles, area and size and can annotate via text on the image.

The Scanmate software offers a variety of report templates that summarize critical information and are print and PDF ready.

The Scanmate software is an unrestricted license and can be installed on multiple work stations which can operate independently or as a networked system.

The Scanmate Flex platform can be deployed strategically. Each system can be configured to your current requirements and expanded when necessary, allowing the system to remain effective and sustainable into the future.



Specifications and Basic PC Requirements

B Scan Specifications

Probe: 12.5 MHz or 20 MHz, Internal Pivoting, Single Element, 256 Lines per Scan.

Performance Specifications		
	DGH 1912 : 12.5 MHz	DGH 1920 : 20 MHz
Lateral Accuracy	± 550 µm	
Axial Accuracy (Theoretical)	28.9 µm	
Focal Point (Nominal)	20 mm	21 mm
Depth of Field	14 mm - 37 mm	15 mm - 35 mm

UBM Specifications

Probe: Water Bath (with probe sheath), 256 Lines per Scan, Scanning Angle 30°, with Open (Removable), Pivoting and Single Element Transducers available in 35 MHz and 50 MHz frequencies.

UBM Transducer Performance Specifications		
	DGH 1500-35: 35MHz Transducer	DGH1500-50: 50MHz Transducer
Lateral Accuracy	± 250 µm	
Lateral Resolution (Nominal)	80 µm	50 µm
Axial Accuracy (Theoretical)	9.6 µm	
Axial Resolution (Nominal)	65 µm	50 µm
Focal Point (Nominal)	13 mm	
Depth of Field (Nominal)	Between 11.5 mm and 14 mm (Nominal)	

A Scan Specifications

Transducer: 10 MHz, capable of Contact and Immersion mode; IOL calculation formulas include SRK II, Binkhorst, SRK T, Holladay I, Hoffer Q, Haigis, and Post Refractive Surgery IOL formulas.

Measurement Range	
Axial Length	15mm to 40 mm
ACD	2.0 mm to 6.0 mm
Lens Thickness	2.0 mm to 7.5 mm

Computer Specifications

Processor : 32 or 64 Bit, Intel i5 or higher

Memory : 4 GB RAM or higher

HDD : 128 GB SSD or higher

Ports : 2 x 2.0 USB interface, 1 for USB operated foot switch

Display : 1024 x 768 Resolution minimum

Operating Systems : Windows 7 or Higher (32 or 64 Bit), 64 Bit only for Microsoft Server 2008 R2, 2012/2012 R2, 2016



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