

Specifications

B-Scan Specifications

B-Scan Probe Type	Internal, pivoting single-element transducer. 256 lines per scan. 60° scan angle.	
B-Scan Mode of Imaging	Contact	
Transducer Frequency Options	12.5 MHz	20 MHz
Lateral Accuracy	± 550 µm	
Axial Accuracy (Theoretical)	28.9 µm	
Focal Point (Nominal)	20.00 mm	21.00 mm
Depth of Field	14.00 mm – 37.00 mm	15.00 mm – 35.00 mm

UBM Specifications

UBM Probe Type	External (removable), pivoting single-element transducer. 256 lines per scan. 30° scan angle.	
UBM Mode of Imaging	Water Path (using ClearScan® probe cover)	
Transducer Frequency Options	35 MHz	50 MHz
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)	13.00 mm	
Depth of Field (Nominal)	11.50 mm – 14.00 mm	

A-Scan 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

Base Unit Specifications

Dimensions	209.55 mm (L) x 133.50 mm (W) x 101.60 mm (H)
Weight	8.00 lbs
Battery Type	3250 mAh Li-ion rechargeable battery (internal)

Software Application Requirements

Hardware Requirements	Intel i5 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)