

SONOMED VUMAX II ULTRASONIC BIOMICROSCOPE TECHNICAL SPECIFICATIONS

HF35-50 (UBM) PROBE	Type	Motor-driven, compact interchangeable transducers
	Transducer Frequency	35 MHz 50MHz
	Scanning Method	Variable field sector scanner
	Sector Angle	38° or 20° fields
	Scanning Speed	Variable 12.5 frames per second (FPS)
	Observable Range (Variable)	18.5mm wide x 14mm deep in 38° field 20.0mm wide x 14mm deep in 20° field
	Display	Dual screen simultaneous display with live zoom and standard screen display
ELECTRONIC RESOLUTION	38° Field	Axial 0.027 mm Lateral 0.035 mm
	20° Field	Axial 0.027 mm Lateral 0.023 mm
ACOUSTIC AXIAL RESOLUTION	35 MHz Transducer: 0.068mm 50 MHz Transducer: 0.050mm Gain curves: Logarithmic with user-selectable window (contrast) and level (brightness) control	
DISTANCE MEASUREMENTS	Angle-to-angle Sulcus-to-sulcus Corneal thickness Sclera thickness	
ANTERIOR SEGMENT BIOMETRY	Single measurement of cornea thickness, anterior chamber depth (ACD) and lens thickness A-Scan profile with two markers/dual calliper measurements Angle in degrees	
DYNAMIC RECORDING	Scan time: 45 seconds (depending on RAM) Recording Frame Time: 12.5 or 25 fps	
ELECTRICAL	Voltage	90 – 240 VAC
	Frequency	50 / 60 Hz
	Maximum Current	6.5 A (low voltage range) or 3.5 A (high voltage range)

MONITOR	Type	Liquid crystal display (LCD) flat panel monitor
	Viewable Size	15'
	Resolution	1024 x 768
	Pixel pitch	0.297 mm
	Contrast Ratio	450:1
DIMENSIONS	Computer	17" H x 8.9" W x 18.4" D
	Monitor	15.8" H x 16.1" W x 6.7" D
WEIGHT	Computer	42 lbs.
	Monitor	11.5lbs