

EUB 1
Ultrasonic A/B Scanner for Ophthalmology
with UBM



Professional Ultrasound

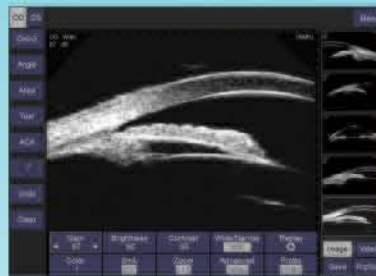
B-Scan & UBM Enhanced Visibility and User-friendliness

Image/video buffer slots for immediate click-and-check, review and comparison

Images/videos captured in real time and saved in lossless format (.bmp & .avi)

Zooming and scan depth adjustment for better ocular disease observation

B-scan vitreous-Enhanced Mode improves visibility at vitreous body



A-Scan & IOL Calculation Enhancements and Tight Integration

Biometry buffer slots for immediate click-and-check, review and comparison

Improved accuracy and reliability with Average and Standard Deviation for up to 10 scans per exam

6 popular IOL formulae and 5 Post-refractive IOL formulae available



Full Reporting Capabilities

Full report integrating B-scan & UBM images, A-scan/IOL results and doctor's comments with customized dictionary of symptom entries

Comprehensive Data Archiving and Management

Simple UI allows users to load, search, print, etc. Unlimited storage capacity for over 20,000 exams (8 lossless images per exam)



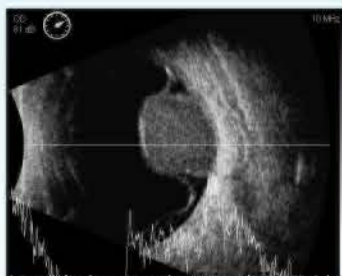
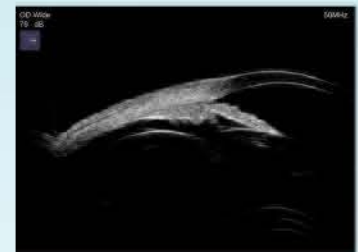
An Ophthalmic Tablet with Ultrasound you can Watch and Touch

Features

- High-Definition 50MHz UBM & 10MHz B-scan Image
- High Resolution LCD touch screen
- Image/video snapped and stored in real time in multiple buffer slots for immediate comparison and review
- B-Scan Multiple TGC options for operator's preference including vitreous-enhanced mode
- Two UBM fields of view (16mm × 11.5mm, 8mm × 5.7mm), full or half sulcus-to-sulcus images
- Editable clinical report with UBM/B-scan images/A-scan/IOL results, and textual comments with configurable entries
- Reports in PDF format for sharing and print-out
- Compatibility with graph/text printer
- Diverse connections via HDMI and USB 2.0 ports
- HDMI interface for double-screen showcase



Clinical Gallery



SPECIFICATIONS:

B-Scan & UBM

- **Ultrasound Probes** 10MHz B-Scan Probe
20MHz B-Scan Probe (optional)
50MHz UBM Probe
- **Axial Resolution** 10MHz B-Scan: ≤ 0.1 mm
20MHz B-Scan: ≤ 0.08 mm
UBM: ≤ 0.05 mm
- **Lateral Resolution** 10MHz B-Scan: ≤ 0.2 mm
20MHz B-Scan: ≤ 0.15 mm
UBM: ≤ 0.05 mm
- **Scan Depth** 10MHz: 28mm-60mm, 6-Step Selectable
20MHz: 19mm-40mm, 6-Step Selectable
50MHz: 5.7mm, 11.5mm
- **Cineloop** 10s/100 frames with dynamic replay
- **Image Acquisition** B-Scan & UBM images
Snapped & Saved in real-time without any limitation
- **Gray Scale** 256 Levels
- **Gain** B-Scan: 1-105dB adjustable
UBM: 1-99dB
- **TGC (for B-Scan)** Default
Vitreous-Enhanced Mode
Customized
- **Color Codes** 8
- **Measurements** Distance, Area Volume, Angle
Annotation
Magnification

Biometric A-Scan

- **Probe** 10 MHz with Fixation Red LED Light
- **Gain** 1-60dB
- **Measuring Method** Contact or Immersion
- **Measuring Range** AL Range: 0 mm-40 mm
- **Measuring Accuracy** ± 0.05 mm
- **Measuring Mode** Phakic (Normal), Aphakic, Cataract, Dense Cataract, Pseudophakic
- **Measurements** Axial length, Anterior chamber depth, Lens thickness, Vitreous length, Configurable Tissue velocities.
- **Calibration Method** Automatic Calibration Through Calibration Cylinder (Dummy Eye)

IOL Calculation

- **General** SRK-II SRK-T
BINK-II HOLLADAY
HOFFER-Q HAIGIS
- **Post-Refractive** History-derived Double K/SRK-T
Refraction-derived ROSA
SHAMMAS
- **Scan Angle** 30 degree
- **UBM Field of View** 1. 18mm x 11,5mm 2. 8mm x 5.7mm
- **Number of Cups** 16mm, 18mm, 21mm

General

- **Display** High-Resolution 12.1" LCD
- **Printer Compatibility** Graph/Text Printer and Video Printer(PAL)
- **Interface** Video-out (PAL), HDMI, USB 2.0 Ports
- **Operations** Touch Screen
Wireless Mouse & Keyboard
Footswitch
- **HDD** 500GB or higher
- **Network** Folder/Report Sharing
- **Power Supply** AC 100-240V, 50/60 Hz
- **Optional** Eye Cup
Immersion Shell
Video Thermal Printer
- **Operating System** Windows



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