ESMD-2300S
Ultrasonic A/B Scanner

EXCLUSIVE
DISTRIBUTOR
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ESMD-2300S

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Cod. **ESMD-2300S**

Main Features

- High Definition 20MHz 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

- Multiple TGC options for operator's preference including vitreous-enhanced mode

- Editable clinical report with A-scan/IOL results, B-scan images, 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

- DICOM 3.0 protocol available via USB 2.0 port

- Massive storage capacity for over 20,000 exams

CE

B-Scan Enhanced Visibility and User-friendly

- 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

- Vitreous-Enhanced Mode improve visibility at vitreous body
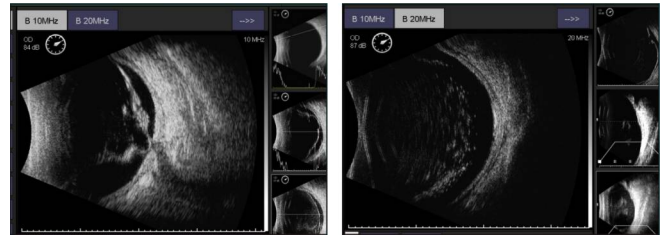
A-Scan & IOL Calculation Enhancements and Tight Integration

- 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 formula and 5 Post-refractive IOL formula are available
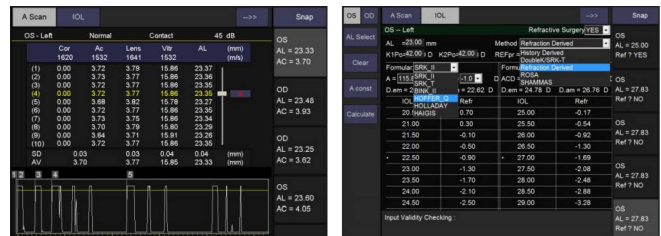
Full Reporting Capabilities

- Full report integrating A-scan/ IOL results

- B-scan images 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)
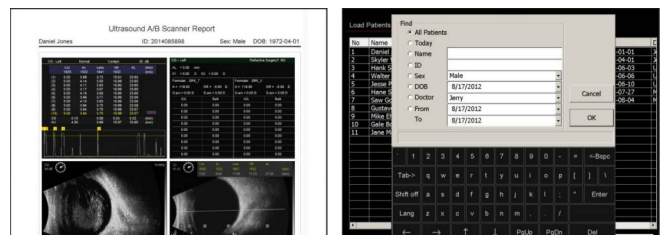
Technical Features

B-Scan

Ultrasound Probes	10MHz B-Scan Probe 20MHz B-Scan Probe
Axial Resolution	10MHz B-Scan: ≤0.1mm 20MHz B-Scan: ≤0.08mm
Lateral Resolution	10MHz B-Scan: ≤0.2mm 20MHz B-Scan: ≤0.15mm
Scan Depth	10MHz: 28mm - 60mm 20MHz: 19mm - 40mm 6-Step Selectable
Scan Angle	53°
Cineloop	10s/100 frames with dynamic replay
Image Acquisition	B-Scan images Snapped & Saved in real-time without any limitation
Gray Scale	256 Levels
Gain	1-105 dB adjustable
TGC	Default Vitreous-Enhanced Mode Customized
B+A Mode	AL Measurement
Color Codes	8
Measurements	Distance, Area & Angle
Annotation	
Magnification	

IOL Calculation

General	SRK-11 BINK-11 HOFFER-Q	SRK-T HOLLADAY HAIGIS
Post-Refractive	History-derived Refraction-derived	SHAMMAS Double K/SRK-T ROSA

Biometric A-Scan

Probe	10MHz with Fixation Red Light
Gain	1-60dB
Measuring Method	Contact or Immersion
Measuring Range	AL Range: 15mm-40mm
Measuring Accuracy	±0.05mm
Measuring Mode	Automatic (Normal, Aphakic, Special and Cataract) or Manual
Measurements	Average and Standard Deviation for up to 10 scans per exam Configurable Tissue Velocities under Special or Manual mode

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	320GB or higher
Network	Folder/Report Sharing
Power Supply	AC 100-240V, 50/60Hz
Optional	• 20MHz B-Scan Probe • Eye Cup • Immersion Shell • Video Thermal Printer • DICOM 3.0 Software Package
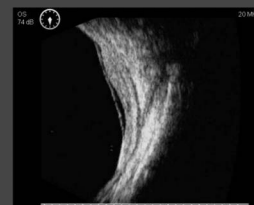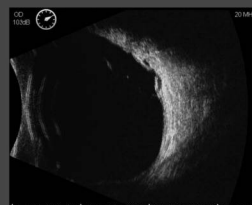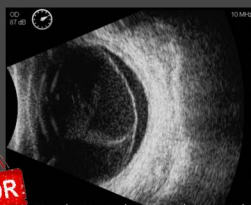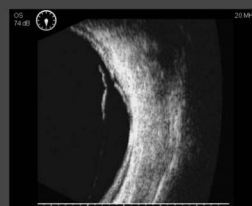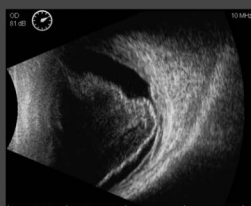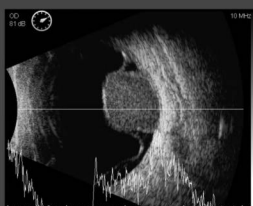
Clinical Gallery

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