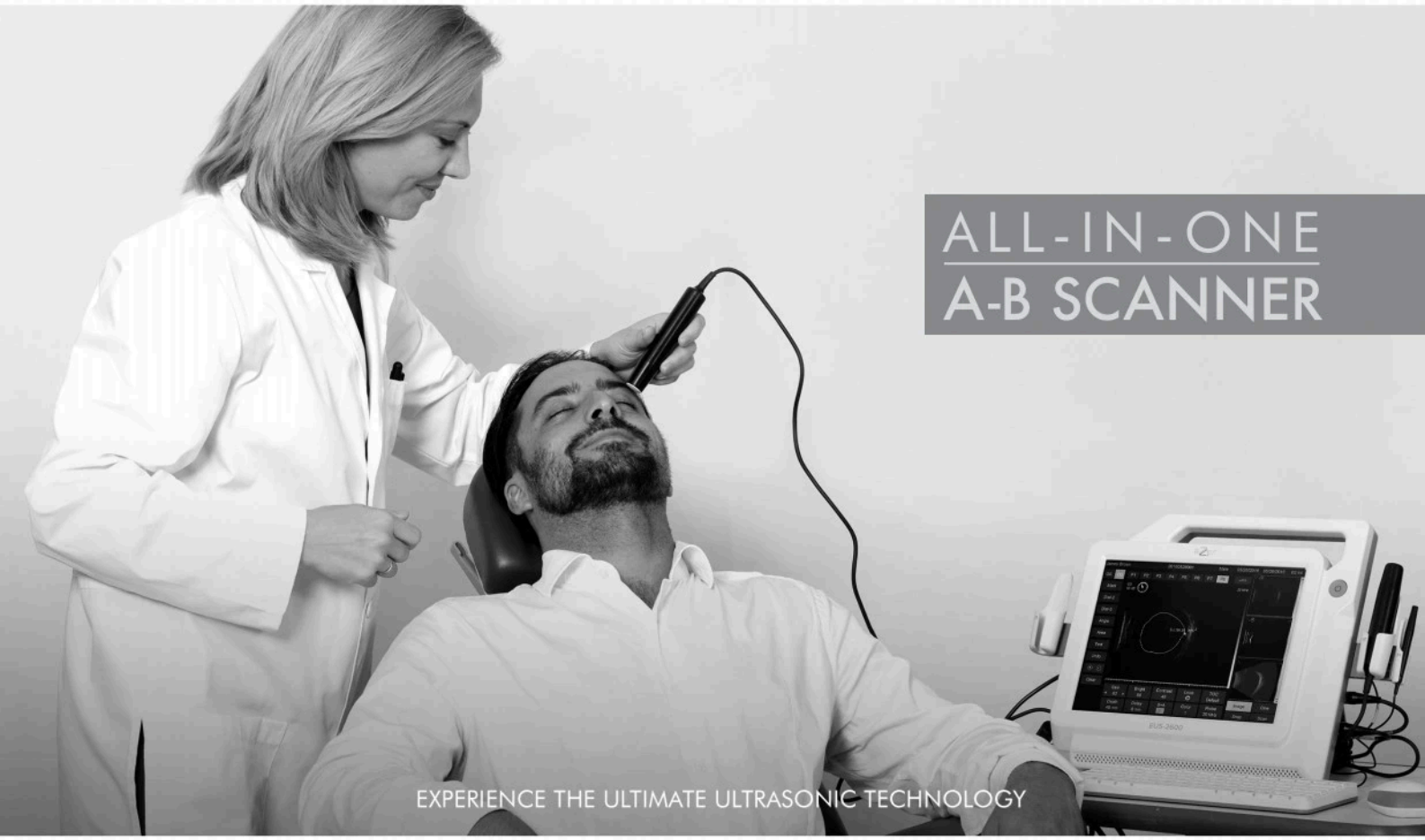
EUS-2600

ULTRASONIC A/B SCANNER



ELI EZER®

THE EZER WAY OF LIFE

EUS-2600

ULTRASONIC A/B SCANNER

Ultrasound became a standard diagnostic modality in almost all medical specialties including Ophthalmology. For this reason Ezer engineered an ophthalmic ultrasound imaging system with amazing charcteristics – it's sophisticated yet easy to use,portable, and has an affordable price.

FEATURES

- High-definition 20MHz B-Scan probe (optional)
- Large 12.1" high-resolution LCD touchscreen display
- Image/video captured 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
- User-friendly clinical reporting with A-Scan/IOL results, B-scan images and comments with defined entries
- Reports in PDF format for further sharing and print-out, and compatibility with graph/text printer
- Diverse interfaces, like HDMI, for double-screen showcasing and DICOM 3.0 protocol available via USB 2.0 port
- Massive storage capacity for over 20,000 exams

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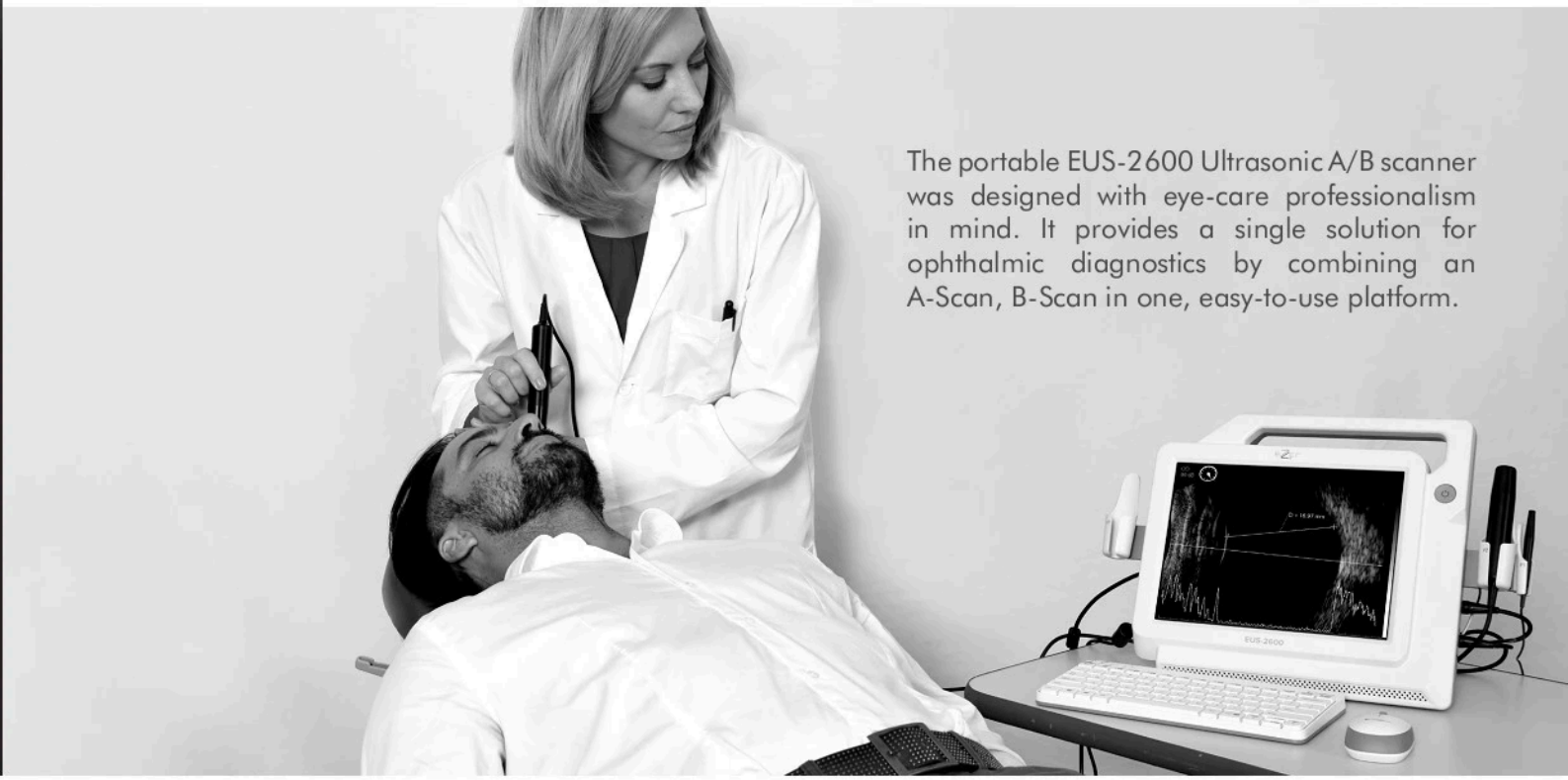
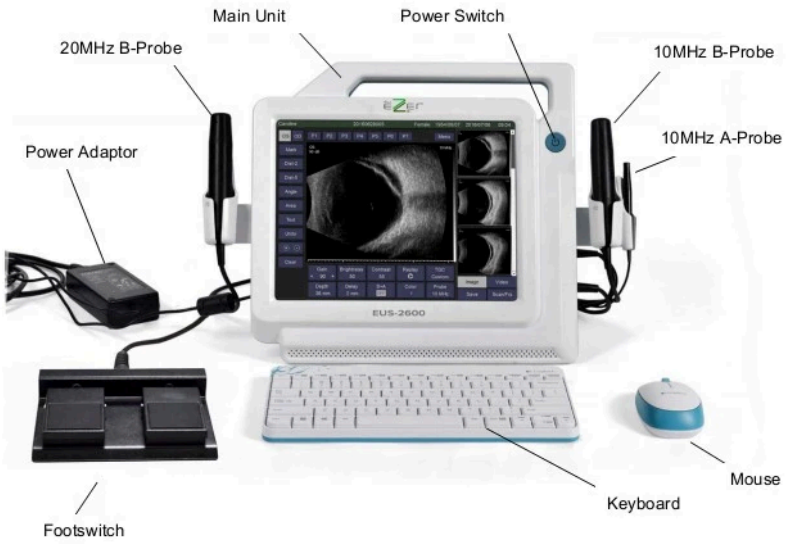
EZER EUS-2600
ALL-IN-ONE A-B SCANNER



The portable EUS-2600 Ultrasonic A/B scanner was designed with eye-care professionalism in mind. It provides a single solution for ophthalmic diagnostics by combining an A-Scan, B-Scan in one, easy-to-use platform.



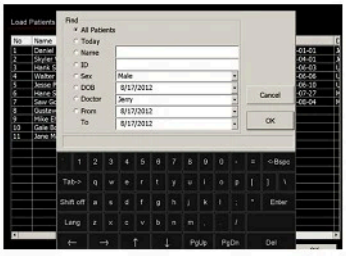
This product consists of a main unit, apllication software, a 10MHz A-Scan probe, a 10MHz B-Scan probe, an optional 20MHz B-Scan probe, a footshwitch, a wireless mouse/ keyboard combo, and a power adaptor.

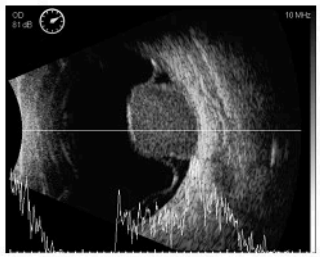
It is also intended for biometric measurements supporting convenient operations by using mouse, keyboard, touchscreen and footswitch. Patient records are easilly saved, printed, or transferred via USB connection.

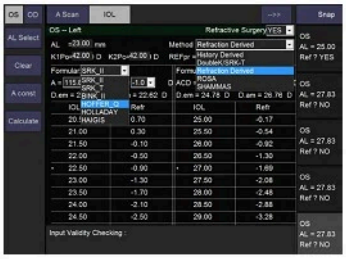
B-SCAN SUPERIOR RESOLUTION

The Ezer EUS-2600 features zooming and scan depth adjustment for better observation of ocular structures and diseases. It operates in vitreous-enhanced mode for improved visibility at vitreous body.

The equipment captures images in multiple image/vídeo buffer slots for fast renderization allowing immediate click-and-check. It is also equiped with Cine-loop of 10s/100 frames with dynamic replay. The images and videos captured during the exam are saved in standard formats such as bmp and avi, making them compatible with all EMR softwares.







REAL TIME IMAGE AND VIDEO SNAPPED FOR IMMEDIATE COMPARISON AND REVIEW

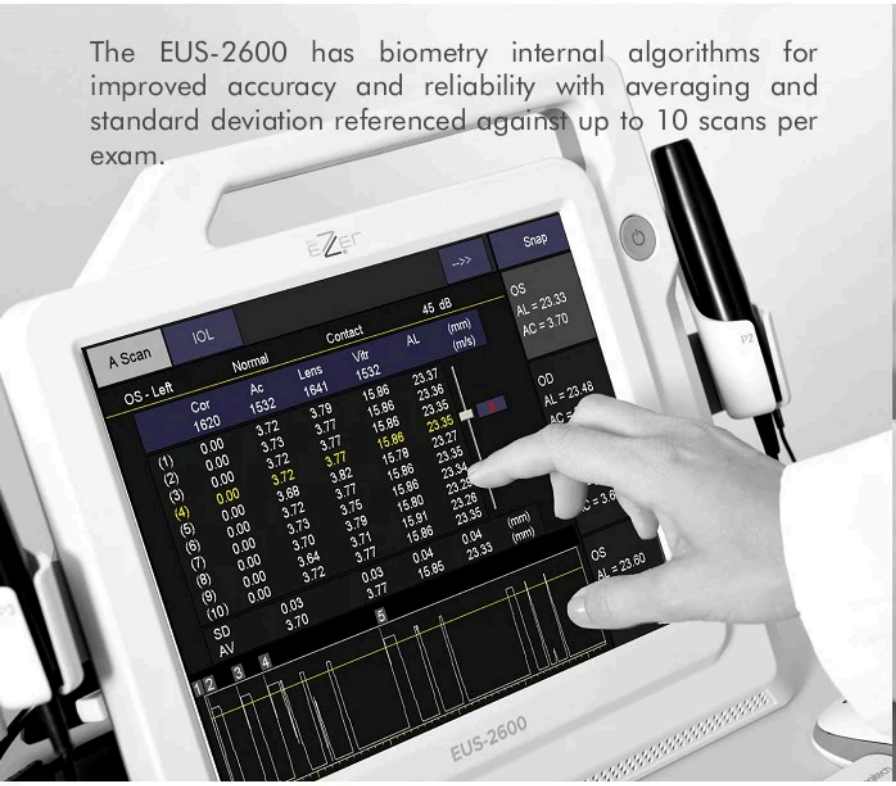
The 20MHz B-scan probe has a superior resolution and can be used to better detect details at the posterior pole and in the orbit.

The 20MHz probe is the ideal complement to the 10MHz probe:

- It is compact and easy-to-use.
- Highly reflective structures at the back of the eye such as chorioretina, sclera, optic nerve sheaths, and extraocular muscles sheaths are seen at higher resolution with the 20MHz probe. This allows superior imaging of chorioretinal lesions, such as melanoma and naevi.
- The 20MHz probe is an excellent tool in the imaging of orbital fat, differentiating lesions in the orbit, extraocular muscles and optic nerves.

A-SCAN & IOL CALCULATIONS

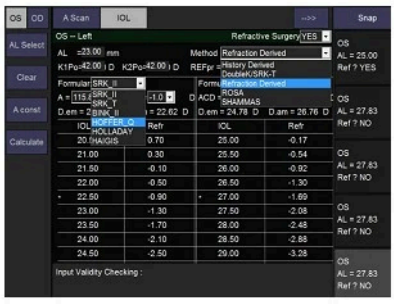
The EUS-2600 has biometry internal algorithms for improved accuracy and reliability with averaging and standard deviation referenced against up to 10 scans per exam.



The A Scan of EUS-2600 is commonly used to calculate the power of intraocular lens (IOL) implants required for cataract and refractive surgery. It can measure the axial length and makes the calculation of the intraocular lens with high precision and safety. All formulas that integrate EUS-2600 have proven clinically efficient and have gained international recognition.

The ultrasound has 6 popular IOL formulas and 5 post-refractive IOL formulas

Popular IOL formulas	Post Refractive formulas
SRK-II	History-derived
SRK-T	Double K/SRK-T
BINK-II	Refraction-derived
HOLLADAY	ROSA
HOFFER-Q	SHAMMAS
HAIGIS	

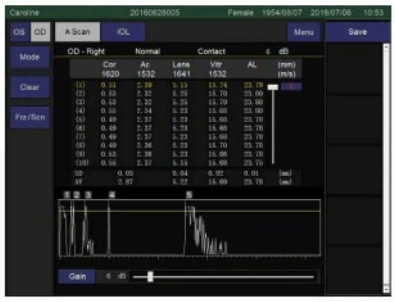


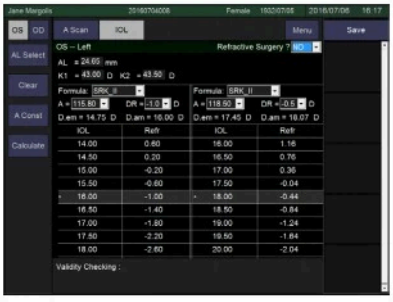
MASSIVE STORAGE CAPACITY FOR OVER 20,000 EXAMS

Massive storage capacity for over 20,000 exams
The simple yet powerful user interface allows users to conveniently load, search, and print patient records. It stores over 20,000 exams (8 lossless images per exam).

REPORTS IN PDF FORMAT FOR SHARING AND PRINT-OUT COMPATIBLE WITH ALL PRINTERS

The EUS-2600 provides full reporting capabilities integrating A-scan/IOL results, B-scan images and comments with customized dictionary of symptom entries.





SPECIFICATIONS

A-Scan	
Probe	10MHz with Fixation Red Light
Gain	1-60dB
Measuring Method	Contact or immersion
Measuring Range	AL Range: 0.6in-1.58in (15mm-40mm)
Measuring Accuracy	±0.002in (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
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
General	
Display	High Resolution 12.1" LCD
Printer Compatibility	Graph/Text Printer and Video Printer (PAL)
General	
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

B-Scan	
Ultrasound Probes	10MHz B-Scan Probe 20MHz B-Scan Probe (Optional)
Axial Resolution	10MHz B-Scan: ≤ 0.004in / 0.1mm 20MHz B-Scan: ≤ 0.03in / 0.8mm
Lateral Resolution	10MHz B-Scan: ≤ 0.008in / 0.2mm
Scan Depth	10MHz: 1.10in - 2.36in (28mm - 60mm) 20MHz: 0.75in - 1.57in (19mm - 40mm) 6-tep 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	1-105dB adjustable
TGC	Default Vitreous-Enhanced Mode Customized
B+A Mode	AL Measurement
Color Codes	8
Measurements	Distance, Area & Angle
Annotation	

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