

P1

Digital
Ultrasonic
Diagnostic
Imaging
System



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This portable device, Digital Ultrasonic Diagnostic Imaging System, is a high-resolution linear/convex scanning diagnostic apparatus.

Features

Applied technologies:

Tissue Specific Imaging (TSI), Tissue Harmonic Imaging (THI), Digital Beam-Forming (DBF), Dynamic Receiving Focusing (DRF), Real-time Dynamic Aperture (RDA), Dynamic Frequency Scanning (DFS), and Dynamic Apodization.

Display modes:

B, B+B, 4B, B+M, and M.

Measurement and calculation functions:

B-mode generic measurement and calculation: Distance, circumference, area, volume, ratio, % stenosis, and angle; M-mode generic measurement and calculation: Time, slope, and heart rate.

File management:

It supports local disk and removable disk storage. USB 1.1 interface enables fast image uploading to your computer in the real-time mode. It has a 56 MB storage capacity.

Operation:

The folding keyboard designed with trackball is easy and convenient for various types of operation.

In addition, 10" non-interlaced progressive display and diverse probes are adopted to provide a clear and stable image.

Technical Specifications

Main unit dimensions	353 mm (W) × 315 mm (L) × 253 mm (H)
Packaging dimensions	500 mm (W) × 460 mm (L) × 465 mm (H)
Net weight	11.5 kg
Monitor	10-inch non-interlaced progressive scanning black and white monitor
Resolution	800×575 pixels
Display Modes	B, B+B, 4B, B+M, and M
Image Gray Scale	256 levels
Image Magnification	In area
Real time:	100%, 144%, 196%, 256%, 400%, 576%, 900%, 1600%
Frozen (only available in B mode):	100%, 178%, 400%, 1600%
Storage	56 MB
Depth Shift	B, B+B, 4B, B+M, M-modes in real time, in increments of 10 mm
Frame Correlation Coefficient	8 levels to adjust (0~7), (B, B+B, 4B, B+M-modes, ineffective when freezing)
Image Conversion	Up/Down flip, Left/Right flip, 90° Rotate.
Language Conversion	Chinese, English, French, German, Spanish, Italian, Polish, Russian, Romanian, etc. (The language options varies with language software installed.)
Focus position	16 levels to adjust
Focus number	Max. 4
Software packages	Abdomen, obstetric, small parts, gynecology, orthopedics, cardiology, and urology
B-mode Measurement	Distance, circumference, area, volume, ratio, % stenosis, histogram and angle
M-mode Measurement	Distance, time, slope, heart rate (2 cycles)
Body Mark	130 types
USB port	USB 1.1

Transducers

Convex array:
C361-1



Micro-convex array:
C321-1



Endovaginal:
E611-1



Convex array:
C341



Linear array:
L741



Endorectal:
E741



Accessories

Trolley



Carrying Bag

