

# DRE FS-60 Advance

Digital Ultrasonic Diagnostic Imaging System

## Features enhanced support of PW imaging

Powered by innovative technology, the DRE FS-60 provides optimal ultrasonic images. It has a maximum of 128 frames of built-in storage and a standard configuration of two transducer-connectors, giving you greater flexibility. The DRE FS-60 also has features typically exclusive to higher-end systems.

### Features

#### Powerful Technology

- ✓ Complete digital beam forming technologies achieve high quality imaging
- ✓ THI and TSI technology present sharp and clear imaging
- ✓ PW Doppler brings more clinical diagnostic values on vascular disease
- ✓ 5 frequency broadband transducer selection for wide clinical applications

#### Compact and Portable

- ✓ Compact and lightweight design for superior mobility THI and TSI technology
- ✓ 12.1" folding high resolution TFT-LCD screen generates image clarity
- ✓ Built-in battery ready for scanning two hours at point of care

#### User-Friendly Operation

- ✓ One-touch image quality optimization by smart IP key
- ✓ Backlit palm controller
- ✓ User-defined keys contribute smooth operation
- ✓ Quick-save keys for improved operation

#### Feasible Elements for Enhanced Operation

- ✓ Intelligent 8-segment TGC for precise adjustment
- ✓ Multi-format data transferring via USB and DIACOM
- ✓ Multiple color enhancement options for personalized needs



## SPECIFICATIONS

### General

**Scanning Angle:** 30-155°  
(depending on transducers)

**Scanning Depth:** 20 to 250mm  
(depending on transducers)

**Imaging Mode:** B, B+B, 4B, B+M, M and PW

**Gray Scales:** 256

**Display:** 12.1" TFT-LCD

**Transducer frequency:**  
2.0 ~ 10MHz

**Transducer connector:**  
2 standard

### Beam-forming:

- Digital beam-forming
- Dynamic receiving focusing
- Real-time dynamic aperture
- Dynamic frequency scanning
- Dynamic apodization
- Tissue harmonic imaging
- Tissue specific imaging

### Imaging Processing

#### Pre-processing:

- Dynamic range
- Edge enhancement
- Frame correlation
- Line correlation
- Smooth
- AGC
- 8-segment TGC adjustment
- IP (image process)

#### Post-processing:

- Gray map
- Gamma correction
- Rejection
- Colorization
- Left-right reverse
- Up-down reverse

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## Options

- ✓ Linear array transducer L743UA (6.0/7.0/8.0/9.0/10.0MHz)  
Applications: Small parts
- ✓ Linear array transducer L763UA (6.0/7.0/8.0/9.0/10.0MHz)  
Applications: Musculoskeletal, Vascular, Breast, Orthopedics
- ✓ Micro-convex array transducer C321UA(2.0/3.0/4.0/5.0/6.0 MHz)  
Applications: Cardiac, Pediatric
- ✓ Micro-convex array transducer C613UA(4.5/5.5/6.5/7.5/8.5 MHz)  
Applications: Cardiac, Pediatric
- ✓ Endorectal transducer E743UA (6.0/7.0/8.0/9.0/10.0MHz)  
Applications: Urology
- ✓ Endovaginal transducer E613UA (4.5/5.5/6.5/7.5/8.5MHz)  
Applications: OB, GYN
- ✓ Convex array transducer L343UA (2.0/3.0/4.0/5.0/6.0 MHz)
- ✓ Needle-guided brackets for transducers
- ✓ Also available: Video printer, laser printer, DICOM3.0, Footswitch
- ✓ Mobile trolley, carrying bag, Lithium Battery



## Standard Configurations

- ✓ 12.1" TFT-LCD monitor
- ✓ Two transducer connectors
- ✓ 256 frames cine loop memory
- ✓ 504 MB built-in image storage
- ✓ Two USB ports
- ✓ Measurement and calculation software packages
- ✓ Convex array transducer C363-1 (2.5/3.5/5.0MHz)

## SPECIFICATIONS

### Functions

**Cine loop:** 256 frames  
bidirectional cineloop

**Zoom:** X1.0, X1.2, X1.4,  
X1.6, X2.0, X2.4, X3.0, X4.0  
in real time

**Storage media:**  
Built-in flash, external USB-  
memory stick

**Built-in image archive:**  
504 MB built-in image storage

**Body mark:** >80 types

**Transducer:** Auto detection

**Transducer connector:**  
2 standard

### Measurement & Calculations

**B-mode:** Distance,  
circumference, area, volume,  
ratio, stenosis%, and angle

**M-mode:** Distance, time, slope  
and heart rate

**D-mode:** Time, heart rate,  
velocity, acceleration, trace  
and RI

**Software packages:** abdomen,  
gynecology, obstetrics,  
urology, small parts, cardiology,  
orthopedics, peripheral vessels,  
and urology